



Formosa Plastics®

Formosa Plastics Corporation, Texas  
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Point Comfort, TX 77978  
Telephone: 361-987-7000

October 30, 2018

Certified Mail: 7018 0360 0000 5327 8347

Air Section Manager, Region 14  
Texas Commission on Environmental Quality  
6300 Ocean Drive, Suite 1200  
Corpus Christi, Texas 78412

RE: Formosa Plastics Corporation, Texas  
TCEQ Air Quality Account No. CB-0038-Q  
North FTIR Quarterly Report (July 2018 through September 2018)

Dear Air Section Manager:

Please find attached the North FTIR quarterly report. The North FTIR and associated equipment were installed as a Supplemental Environmental Project as required by TCEQ Docket No. 2000-1144-AIR-E. This report includes FTIR data from July 1, 2018 through September 30, 2018. This report is designed to be similar to the Point Comfort FTIR Quarterly Report in order to maintain reporting consistency.

During the third quarter of 2018, the north FTIR site had no confirmed exceedances of the trigger level based on [block] 30-minute averages or [running] 30-minute averages occurred.

Should you have any questions please contact Vanessa Peppers by e-mail at [VanessaP@ftpc.fpcusa.com](mailto:VanessaP@ftpc.fpcusa.com).

Sincerely,

Rick Crabtree  
Vice President/General Manager  
Formosa Plastics Corporation, Texas

**Formosa Plastics Corporation, Texas**  
**Summary of North FTIR Downtime**  
**3rd Quarter 2018**

<b>Date(s)</b>	<b>Cause(s)</b>	<b>Corrective Action(s)</b>
7/1/2018-7/2/2018 7/6/2018 8/24/2018 8/25/2018 8/26/2018 9/12/2018	Memory building issue resulted in loss of data.	After cause of issue was found, changes were made to clear memory every 5 minutes.
7/23/2018-7/30/2018	Liquid Nitrogen autofill device failure.	Data collection resumed after autofill device was reconfigured.
7/31/2018 8/20/2018 8/24/2018 9/7/2018 9/14/2018	QA/QC Challenges	
8/12/2018	Low signal periods resulted in the loss of data.	Data collection resumed when signal strength increased.
9/15/2018-9/29/2018	Instrument OBC board failure	Data collection resumed after board was replaced on September 29th.

Formosa Plastics Corporation, Texas

3rd Quarter 2018 North FTIR Report - Summary of Validated Exceedances of the 30-Minute Trigger Levels

Validated Exceedances of the 30-Minute Running Averaged Trigger Levels \*\*

Month/Year	Date	Time	Chemical	Concentrations	Trigger Limit	Wind Speed	Wind Direction
			There were no validated exceedances in the third quarter of 2018.				

Please Note: Polar plots generated by FPC-TX's FTIR System are attached for those days when the FTIR System detected an exceedance.

\* Indicates polar plot is available.

\*\* The FTIR quarterly report format was agreed upon between TNRCC and FPC-TX upon initiation of the monitoring program. The quarterly report shows *block* averages for each 30-minute period throughout the day. The FTIR collects 5-minute data and creates *rolling* 30-minute averages. The table titled "Validated Exceedances of 30-Minute Running Averaged Trigger Levels" lists the exceedances of the 30-minute average trigger levels based on a *rolling* 30-minute average time period. The validated exceedances of the rolling 30-minute averages for the compounds listed in the table titled "Validated Exceedances of 30-Minute Running Averaged Trigger Levels" is being included in the summary table above, as required by paragraph 5, Section c of the January 10, 1996 letter from the TNRCC.

**Formosa Plastics Corporation, Texas**  
**3rd Quarter 2018 North FTIR Report - Summary of Validated Exceedances of the 30-Minute Trigger Levels**  
**Validated Exceedances of the 30-Minute Block Averaged Trigger Levels\*\***

Month/Year	Date*	Time	Chemical	Concentrations (ppb)	Trigger Limit (ppb)	Wind Speed (mph)	Wind Direction (degrees)
			There were no validated exceedances in the third quarter of 2018.				

Please Note: Polar plots generated by FPC-TXs' FTIR System are attached for those days when the FTIR System detected an exceedance.

\* Indicates polar plot is available.

\*\* The FTIR quarterly report format was agreed upon between TNRCC and FPC-TX upon initiation of the monitoring program. The quarterly report shows *block* averages for each 30-minute period throughout the day. The FTIR collects 5-minute data and creates *rolling* 30-minute averages. The table titled "Validated Exceedances of 30-Minute Running Averaged Trigger Levels" lists the exceedances of the 30-minute average trigger levels based on a *rolling* 30-minute average time period. The validated exceedances of the rolling 30-minute averages for the compounds listed in the table titled "Validated Exceedances of 30-Minute Running Averaged Trigger Levels" is being included in the summary table above, as required by paragraph 5, Section c of the January 10, 1996 letter from the TNRCC.



**Formosa Plastics Corporation, Texas**  
**Emergency Activation Release System (EARS) - SUMMA Canister Results**  
**3rd Quarter 2018**

Date	SUMMA Canister Station	Chemical	Concentrations (ppb)	Detection Limits (ppb)
		Vinyl Chloride	There were no EARS events during the third quarter of 2018.	
		Ethylene Dichloride		
		Benzene		
		1, 3 Butadiene		
		Ethylene		



To: Stephanie Schmidt-Mayfield  
Formosa Plastics  
Point Comfort, Texas

From: Bryan Benaway (512) 934-1752

Date: October 26, 2018

Subject: Formosa North AAMS Gas Challenge Results for July - September 2018

Gas challenges are performed weekly against the OP-FTIR instrument with gases containing the target compounds listed in Table 1. The number of gas challenges performed was limited by instrument and gas standard availability. As such, a total of six independent gas challenges were performed for Q3 2018. Because of its corrosive nature, hydrogen chloride (HCl) was purchased in a separate cylinder and was injected in the calibration cell separate from the rest of the target compounds. The remaining compounds of interest (DCA and VOCs) are all contained within the same gas cylinder. Table 1 lists the challenge compounds and their expected spike concentrations. The expected spike concentrations are arrived at by multiplying the certified cylinder concentrations by the ratio of the calibration cell path length to the open path length (0.10m/270m).

The gas challenge system was not operational remotely until 8/20/2018. There was a single gas challenge performed by staff on-site on 7/31/2018. From 8/20/2018, weekly gas challenges were performed up until 9/14/2018 at which time the OBC board in the instrument failed, resulting in extended instrument downtime. The instrument was restored to full operation on 9/27/2018 but with a backup unit as the failed instrument was transported back to Austin for repair.

**Table 1. Formosa North OP-FTIR Gas Challenge Mixtures**

<b>Compound</b>	<b>Compound FTIR Code</b>	<b>Expected Spike Level (ppm)</b>
1,3 Butadiene	BUT	0.048
Benzene	C6H6	0.117
Ethylene	C2H4	0.046
Ethylene Oxide	ETO	0.093
Vinyl Chloride	VCl	0.048
1,2 Dichloroethane	DCA	0.093
Hydrogen Chloride	HCl	0.027



A total of 6 challenges were performed during this quarter. All of the gas challenges performed for the 3rd quarter 2018 resulted in acceptable recoveries with the following exceptions:

- DCA standard gas recovered outside criteria high on 8/20/2018.

Analyte spike recovery is expressed as a percentage and calculated by taking the ratio of the actual spike value divided by the expected spike value. The actual spike is calculated by averaging the equilibrium points during a run.

### July 2018

Only one gas challenge was conducted in July. Recoveries were acceptable for all compounds in July.

### August 2018

Three gas challenges were conducted in August. Recoveries were generally acceptable for all compounds in August, with the aforementioned DCA exception on 8/20/2018.

### September 2018

Two gas challenges were conducted in September. Recoveries were acceptable for all compounds in September.

### Conclusion

Gas challenge recoveries for the 3<sup>rd</sup> quarter of 2018 all fell within the 70-130% criteria for all of the target analytes except DCA. DCA recovered outside criteria high on 8/20/2018.

Recovery statistics for the quarter are presented in Table 2. At the bottom of the table, average recoveries for each compound (for the quarter) are given. Individual results are color-coded. **Green** highlights indicate that recovery fell within the 70% to 130% range, while results highlighted in **yellow** fell within a 50% to 150% range. Results outside of the 50% to 150% range are highlighted in **red**.

**Table 2. Recovery Percentages Summary for 3<sup>rd</sup> Quarter 2018**

Date	C6H6	ETO	DCA	C2H4	BUT	VCI	HCI
7/31/2018	90	97	113	106	113	103	89
8/20/2018	122	100	153	108	113	105	86
8/24/2018	129	106	100	111	114	103	96
8/31/2018	104	111	87	110	113	106	111
9/7/2018	102	120	128	108	123	108	104
9/14/2018	125	106	120	110	123	115	88
Q3 2018Averages	112	107	117	109	116	107	96



**Formosa Plastics Corporation**  
**North AAMS Site**  
**Validated Exceedances of 30-Minute Block Averaged Trigger Levels**  
**July 2018**

<u>Day</u>	<u>Period</u>	<u>Compound</u>	30-Min Avg. Concentration (ppb)	Trigger Level (ppb)	Wind Speed (mph)	Wind Direction (degrees)
			NONE			

**Formosa Plastics Corporation**  
**North AAMS Site**  
**Validated Exceedances of 30-Minute Running Averaged Trigger Levels**  
**July 2018**

<u>Day</u>	<u>Period</u>	<u>Compound</u>	30-Minute Max Avg. Concentration (ppb)	Trigger Level (ppb)	Max Wind Speed (mph)	Max Wind Direction (degrees)
			NONE			

Open Path FTIR Daily (24-hour) Averages  
Site: Formosa North AAMS

timestamp	Capture (%)	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AV E (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AV E (ppm)	WSPD (mph)	WDIR (deg)
7/1/2018	69	24013	365	1.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11.1	165
7/2/2018	54	23509	367	1.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.0	170
7/3/2018	100	23408	365	1.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.4	188
7/4/2018	100	23975	362	1.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.9	151
7/5/2018	100	21856	366	1.35	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.3	89
7/6/2018	98	22820	377	1.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.5	252
7/7/2018	100	21989	377	1.52	BDL	BDL	BDL	BDL	0.0028	BDL	BDL	4.2	96
7/8/2018	100	22323	369	1.33	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.8	190
7/9/2018	100	24105	368	1.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.9	155
7/10/2018	100	23278	376	1.35	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.8	142
7/11/2018	100	23109	368	1.28	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.0	184
7/12/2018	100	22940	368	1.28	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.6	176
7/13/2018	100	23641	368	1.24	BDL	BDL	BDL	BDL	0.0025	BDL	BDL	8.4	164
7/14/2018	100	23959	367	1.24	BDL	BDL	BDL	BDL	0.0023	BDL	BDL	9.3	168
7/15/2018	100	24250	366	1.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.7	175
7/16/2018	100	23908	365	1.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.2	181
7/17/2018	100	23629	366	1.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.5	183
7/18/2018	100	24341	364	1.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.9	187
7/19/2018	100	24691	363	1.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.8	184
7/20/2018	100	24570	364	1.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.3	185
7/21/2018	100	24576	364	1.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.9	188
7/22/2018	100	24370	364	1.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.5	192
7/23/2018	19	26139	359	1.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.4	192
7/24/2018	0											5.0	163
7/25/2018	0											3.5	153
7/26/2018	0											4.6	171
7/27/2018	0											4.4	149
7/28/2018	0											5.7	168
7/29/2018	0											7.2	169
7/30/2018	21	22523	373	1.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.5	184
7/31/2018	94	21960	375	1.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.0	212

Daily Processed Summary (Average, Maximum)

Average	73	23595	367	1.27	BDL	BDL	BDL	BDL	0.0002	BDL	BDL		
Maximum Value	100	26139	377	1.54	BDL	BDL	BDL	BDL	0.0028	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/01/18 12:30 AM	24733	368	1.24	ND	ND	ND	ND	ND	ND	ND	14.8	160
07/01/18 01:00 AM	24726	367	1.24	ND	ND	ND	ND	ND	0.000	ND	14.7	158
07/01/18 01:30 AM	24577	369	1.25	ND	ND	ND	ND	ND	ND	ND	15.8	159
07/01/18 02:00 AM	24775	364	1.23	ND	ND	ND	ND	ND	ND	ND	12.0	167
07/01/18 02:30 AM	24751	363	1.23	ND	ND	ND	ND	ND	ND	ND	13.8	167
07/01/18 03:00 AM	24771	367	1.25	ND	0.002	ND	ND	ND	ND	ND	14.0	163
07/01/18 03:30 AM	24668	365	1.24	ND	0.001	ND	ND	ND	ND	ND	15.4	170
07/01/18 04:00 AM	24173	362	1.24	ND	ND	ND	ND	ND	ND	ND	12.9	175
07/01/18 04:30 AM	24117	361	1.24	ND	ND	ND	ND	ND	ND	ND	12.2	178
07/01/18 05:00 AM	24057	361	1.24	ND	ND	ND	ND	ND	ND	ND	10.6	179
07/01/18 05:30 AM	24280	361	1.25	ND	ND	0.001	ND	ND	ND	ND	8.9	182
07/01/18 06:00 AM	24287	361	1.25	ND	ND	0.004	ND	ND	ND	ND	7.9	183
07/01/18 06:30 AM	24131	361	1.24	ND	ND	0.010	ND	ND	ND	ND	8.3	181
07/01/18 07:00 AM	24084	361	1.25	ND	ND	ND	ND	ND	ND	ND	7.4	181
07/01/18 07:30 AM	24147	361	1.25	ND	ND	ND	ND	ND	ND	ND	7.2	183
07/01/18 08:00 AM	24087	361	1.24	ND	ND	ND	ND	ND	ND	ND	8.4	185
07/01/18 08:30 AM	24246	362	1.24	ND	ND	ND	ND	ND	ND	ND	9.2	186
07/01/18 09:00 AM	24407	363	1.24	ND	ND	ND	ND	ND	ND	ND	9.7	184
07/01/18 09:30 AM	24083	363	1.24	ND	ND	ND	ND	ND	ND	ND	9.8	190
07/01/18 10:00 AM	24001	363	1.24	ND	ND	ND	ND	ND	ND	ND	8.5	195
07/01/18 10:30 AM	23901	364	1.24	ND	ND	ND	ND	ND	ND	ND	8.6	196
07/01/18 11:00 AM	23597	365	1.24	ND	ND	ND	ND	ND	ND	ND	8.1	197
07/01/18 11:30 AM	23305	365	1.24	ND	ND	ND	ND	ND	ND	ND	10.2	194
07/01/18 12:00 PM	23083	366	1.24	ND	ND	ND	ND	ND	ND	ND	10.4	196
07/01/18 12:30 PM	23372	366	1.24	ND	ND	ND	ND	ND	ND	ND	10.1	193
07/01/18 01:00 PM	23020	366	1.24	ND	ND	ND	ND	ND	ND	ND	11.0	208
07/01/18 01:30 PM	23024	367	1.24	ND	ND	ND	ND	ND	ND	ND	10.4	195
07/01/18 02:00 PM	23192	367	1.23	ND	ND	ND	ND	ND	ND	ND	10.2	196
07/01/18 02:30 PM	23405	367	1.23	ND	ND	ND	ND	ND	ND	ND	11.0	168
07/01/18 03:00 PM	23703	369	1.24	ND	ND	0.005	ND	ND	ND	ND	12.4	162
07/01/18 03:30 PM	23739	368	1.23	ND	ND	ND	ND	ND	ND	ND	11.1	166
07/01/18 04:00 PM	23963	368	1.24	ND	ND	ND	ND	ND	ND	ND	13.9	140
07/01/18 04:30 PM	24036	368	1.24	ND	ND	ND	ND	0.000	ND	ND	13.9	141
07/01/18 05:00 PM											13.3	141
07/01/18 05:30 PM											14.4	143
07/01/18 06:00 PM											15.5	139
07/01/18 06:30 PM											14.9	140
07/01/18 07:00 PM											16.5	141
07/01/18 07:30 PM											16.5	140
07/01/18 08:00 PM											15.4	145
07/01/18 08:30 PM											13.9	143
07/01/18 09:00 PM											15.8	137
07/01/18 09:30 PM											13.7	140
07/01/18 10:00 PM											11.4	155
07/01/18 10:30 PM											12.1	170
07/01/18 11:00 PM											10.3	166
07/01/18 11:30 PM											11.9	161
07/02/18 12:00 AM											11.0	164

## Daily Processed Summary (Average, Maximum)

Average	24013	365	1.24	BDL	0.000	0.001	BDL	0.000	0.000	BDL	11.1	165
Maximum Value	24775	369	1.25	BDL	0.002	0.010	BDL	0.000	0.000	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/02/18 12:30 AM											11.3	169
07/02/18 01:00 AM											11.7	174
07/02/18 01:30 AM											10.4	179
07/02/18 02:00 AM											8.3	179
07/02/18 02:30 AM											7.0	182
07/02/18 03:00 AM											7.1	177
07/02/18 03:30 AM											7.3	181
07/02/18 04:00 AM											7.3	180
07/02/18 04:30 AM											7.1	180
07/02/18 05:00 AM											6.5	181
07/02/18 05:30 AM											6.3	180
07/02/18 06:00 AM											6.1	181
07/02/18 06:30 AM											5.6	181
07/02/18 07:00 AM											4.8	177
07/02/18 07:30 AM											4.8	181
07/02/18 08:00 AM											5.3	181
07/02/18 08:30 AM											6.1	192
07/02/18 09:00 AM											6.3	196
07/02/18 09:30 AM											6.0	205
07/02/18 10:00 AM											6.8	202
07/02/18 10:30 AM											6.7	206
07/02/18 11:00 AM											6.5	189
07/02/18 11:30 AM	22315	365	1.25	ND	ND	ND	ND	ND	ND	ND	6.6	196
07/02/18 12:00 PM	21878	367	1.26	ND	ND	ND	0.001	ND	ND	ND	6.9	197
07/02/18 12:30 PM	21864	367	1.26	ND	ND	ND	ND	0.000	ND	ND	6.3	195
07/02/18 01:00 PM	22020	367	1.26	ND	ND	ND	ND	ND	ND	ND	5.0	181
07/02/18 01:30 PM	21742	367	1.26	ND	ND	ND	ND	ND	ND	ND	7.0	180
07/02/18 02:00 PM	22609	369	1.25	ND	ND	ND	ND	ND	ND	ND	7.4	172
07/02/18 02:30 PM	23263	370	1.24	ND	ND	ND	ND	ND	ND	ND	8.1	179
07/02/18 03:00 PM	23021	370	1.24	ND	ND	ND	0.002	ND	ND	ND	8.3	154
07/02/18 03:30 PM	23599	371	1.24	ND	ND	ND	ND	ND	ND	ND	10.6	149
07/02/18 04:00 PM	23814	370	1.24	ND	ND	ND	0.002	ND	ND	ND	11.9	146
07/02/18 04:30 PM	23755	371	1.25	ND	ND	ND	0.005	ND	ND	ND	11.4	151
07/02/18 05:00 PM	23821	371	1.25	ND	ND	0.001	ND	ND	ND	ND	13.2	144
07/02/18 05:30 PM	23711	373	1.28	ND	ND	0.004	ND	ND	ND	ND	14.0	157
07/02/18 06:00 PM	23960	369	1.24	ND	ND	0.011	ND	ND	ND	ND	13.5	148
07/02/18 06:30 PM	23737	371	1.25	ND	ND	ND	ND	ND	ND	ND	11.8	152
07/02/18 07:00 PM	23973	369	1.24	ND	ND	0.001	ND	ND	ND	ND	11.3	143
07/02/18 07:30 PM	24268	368	1.23	ND	ND	0.002	ND	ND	ND	ND	10.5	157
07/02/18 08:00 PM	24251	365	1.22	ND	ND	ND	ND	ND	ND	ND	9.6	149
07/02/18 08:30 PM	23511	365	1.23	ND	ND	0.002	ND	ND	ND	ND	8.3	166
07/02/18 09:00 PM	24105	364	1.23	ND	ND	ND	ND	ND	ND	ND	8.0	156
07/02/18 09:30 PM	24306	366	1.25	ND	ND	0.002	ND	ND	ND	ND	8.5	150
07/02/18 10:00 PM	24496	366	1.23	ND	0.002	0.015	ND	ND	ND	ND	9.4	155
07/02/18 10:30 PM	24395	364	1.23	ND	ND	ND	ND	ND	ND	ND	9.6	165
07/02/18 11:00 PM	24329	363	1.23	ND	ND	ND	ND	ND	ND	ND	10.0	170
07/02/18 11:30 PM	23942	362	1.23	ND	ND	ND	ND	ND	ND	ND	9.9	171
07/03/18 12:00 AM	24560	363	1.24	ND	ND	ND	ND	ND	ND	ND	8.5	181

## Daily Processed Summary (Average, Maximum)

Average	23509	367	1.24	BDL	0.000	0.001	0.000	0.000	BDL	BDL	8.0	170
Maximum Value	24560	373	1.28	BDL	0.002	0.015	0.005	0.000	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/03/18 12:30 AM	24658	362	1.23	ND	ND	0.001	ND	ND	ND	ND	8.4	186
07/03/18 01:00 AM	24772	363	1.24	ND	ND	ND	ND	ND	ND	ND	7.1	180
07/03/18 01:30 AM	24959	363	1.24	ND	ND	ND	ND	ND	ND	ND	7.4	186
07/03/18 02:00 AM	25025	363	1.24	ND	ND	ND	ND	ND	ND	ND	7.0	186
07/03/18 02:30 AM	24922	363	1.25	ND	ND	ND	ND	ND	ND	ND	6.8	188
07/03/18 03:00 AM	24902	363	1.24	ND	ND	ND	ND	ND	ND	ND	7.2	186
07/03/18 03:30 AM	24780	362	1.25	ND	ND	ND	ND	ND	ND	ND	6.9	190
07/03/18 04:00 AM	24803	363	1.26	ND	ND	ND	ND	ND	ND	ND	5.7	186
07/03/18 04:30 AM	24882	364	1.27	ND	ND	ND	ND	ND	ND	ND	5.9	186
07/03/18 05:00 AM	24929	363	1.26	ND	ND	ND	ND	ND	ND	ND	5.5	183
07/03/18 05:30 AM	25015	363	1.26	ND	ND	ND	ND	ND	ND	ND	6.2	183
07/03/18 06:00 AM	24897	363	1.26	ND	ND	ND	ND	ND	ND	ND	5.9	185
07/03/18 06:30 AM	24771	363	1.26	ND	ND	ND	ND	ND	ND	ND	5.4	185
07/03/18 07:00 AM	24652	364	1.25	ND	ND	ND	ND	ND	ND	ND	4.6	185
07/03/18 07:30 AM	24800	364	1.26	ND	ND	ND	ND	ND	ND	ND	4.7	192
07/03/18 08:00 AM	24928	363	1.23	ND	ND	ND	ND	ND	ND	ND	6.0	185
07/03/18 08:30 AM	24805	363	1.23	ND	ND	ND	ND	ND	ND	ND	7.0	196
07/03/18 09:00 AM	24928	365	1.23	ND	ND	ND	ND	ND	ND	ND	7.3	209
07/03/18 09:30 AM	24598	365	1.24	ND	ND	ND	ND	ND	ND	ND	5.9	207
07/03/18 10:00 AM	24420	365	1.23	ND	ND	ND	ND	ND	ND	ND	5.3	210
07/03/18 10:30 AM	23754	366	1.24	ND	ND	ND	ND	ND	ND	ND	7.6	194
07/03/18 11:00 AM	23140	367	1.25	ND	ND	ND	ND	ND	ND	ND	7.3	191
07/03/18 11:30 AM	22453	367	1.25	ND	ND	ND	ND	ND	ND	ND	6.9	198
07/03/18 12:00 PM	21346	367	1.26	ND	ND	ND	ND	ND	ND	ND	7.8	198
07/03/18 12:30 PM	20762	368	1.27	ND	ND	ND	ND	ND	ND	ND	8.1	196
07/03/18 01:00 PM	20416	368	1.27	ND	ND	ND	ND	ND	ND	ND	8.5	187
07/03/18 01:30 PM	20158	368	1.28	ND	ND	ND	ND	ND	ND	0.003	7.9	194
07/03/18 02:00 PM	20774	368	1.26	ND	ND	ND	ND	ND	ND	ND	7.5	195
07/03/18 02:30 PM	20650	369	1.27	ND	ND	0.002	ND	ND	ND	ND	7.6	196
07/03/18 03:00 PM	21272	368	1.26	ND	ND	0.002	ND	ND	ND	ND	8.0	198
07/03/18 03:30 PM	21338	369	1.26	ND	ND	ND	ND	ND	ND	ND	8.2	193
07/03/18 04:00 PM	21020	368	1.26	ND	ND	ND	ND	ND	ND	ND	7.6	191
07/03/18 04:30 PM	21323	369	1.26	ND	ND	ND	ND	ND	ND	ND	7.6	194
07/03/18 05:00 PM	21520	369	1.25	ND	ND	ND	ND	ND	ND	ND	8.1	185
07/03/18 05:30 PM	21705	368	1.25	ND	ND	ND	ND	ND	ND	ND	7.8	185
07/03/18 06:00 PM	22007	369	1.24	ND	ND	0.007	ND	ND	ND	ND	10.0	173
07/03/18 06:30 PM	21549	371	1.25	ND	ND	ND	ND	ND	ND	ND	11.4	166
07/03/18 07:00 PM	22615	368	1.24	ND	ND	ND	ND	ND	ND	ND	11.5	171
07/03/18 07:30 PM	22865	367	1.24	ND	ND	ND	ND	ND	ND	ND	11.2	172
07/03/18 08:00 PM	23419	368	1.24	ND	ND	ND	ND	ND	ND	ND	10.2	165
07/03/18 08:30 PM	23471	365	1.23	ND	ND	ND	ND	ND	ND	ND	10.4	173
07/03/18 09:00 PM	23637	364	1.23	ND	ND	ND	ND	ND	ND	ND	8.9	171
07/03/18 09:30 PM	24077	363	1.22	ND	ND	ND	ND	ND	ND	ND	8.4	182
07/03/18 10:00 PM	23979	363	1.23	ND	ND	ND	ND	ND	ND	ND	7.7	184
07/03/18 10:30 PM	24382	363	1.23	ND	ND	ND	ND	ND	ND	ND	8.4	183
07/03/18 11:00 PM	24698	363	1.23	ND	ND	ND	ND	ND	ND	ND	6.4	175
07/03/18 11:30 PM	24166	363	1.23	ND	ND	ND	ND	ND	ND	ND	5.7	175
07/04/18 12:00 AM	24633	363	1.23	ND	ND	ND	ND	ND	ND	ND	7.3	185

## Daily Processed Summary (Average, Maximum)

Average	23408	365	1.25	BDL	BDL	0.000	BDL	BDL	BDL	0.000	7.4	186
Maximum Value	25025	371	1.28	BDL	BDL	0.007	BDL	BDL	BDL	0.003		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/04/18 12:30 AM	24497	363	1.23	ND	ND	ND	ND	ND	ND	ND	7.3	185
07/04/18 01:00 AM	24925	363	1.23	ND	ND	ND	ND	ND	ND	ND	7.3	183
07/04/18 01:30 AM	24980	363	1.23	ND	ND	ND	ND	ND	ND	ND	7.2	177
07/04/18 02:00 AM	24871	364	1.24	ND	ND	ND	ND	ND	ND	ND	6.5	172
07/04/18 02:30 AM	24995	364	1.23	ND	0.001	ND	ND	ND	ND	ND	7.7	177
07/04/18 03:00 AM	25160	363	1.23	ND	ND	ND	ND	ND	ND	ND	7.4	185
07/04/18 03:30 AM	24917	362	1.22	ND	ND	ND	ND	ND	ND	ND	8.7	183
07/04/18 04:00 AM	24986	363	1.23	ND	ND	0.002	ND	ND	ND	ND	7.6	181
07/04/18 04:30 AM	25021	363	1.23	0.001	ND	ND	ND	ND	ND	ND	7.2	180
07/04/18 05:00 AM	25242	363	1.22	0.001	ND	ND	ND	ND	ND	ND	6.3	180
07/04/18 05:30 AM	25258	364	1.23	ND	ND	0.002	ND	ND	ND	ND	6.4	180
07/04/18 06:00 AM	25074	363	1.23	0.000	ND	ND	ND	ND	ND	ND	6.1	183
07/04/18 06:30 AM	24897	364	1.23	ND	ND	ND	ND	ND	ND	ND	5.7	181
07/04/18 07:00 AM	24920	364	1.23	ND	ND	ND	ND	ND	ND	ND	5.4	186
07/04/18 07:30 AM	24958	364	1.23	ND	ND	ND	ND	ND	ND	ND	4.0	225
07/04/18 08:00 AM	25115	363	1.22	ND	ND	ND	ND	0.000	ND	ND	5.5	219
07/04/18 08:30 AM	25087	362	1.22	ND	ND	ND	ND	ND	ND	ND	7.0	221
07/04/18 09:00 AM	24936	363	1.22	ND	ND	ND	ND	ND	ND	ND	6.5	218
07/04/18 09:30 AM	25167	365	1.25	ND	ND	ND	ND	ND	ND	ND	6.6	232
07/04/18 10:00 AM	24543	363	1.24	ND	ND	ND	ND	ND	ND	ND	6.8	233
07/04/18 10:30 AM	23387	364	1.24	ND	ND	ND	ND	ND	ND	ND	8.8	218
07/04/18 11:00 AM	23360	364	1.24	ND	ND	ND	ND	ND	ND	ND	8.6	222
07/04/18 11:30 AM	22970	363	1.24	ND	ND	ND	ND	ND	ND	ND	9.0	210
07/04/18 12:00 PM	22040	364	1.25	ND	ND	ND	ND	ND	ND	ND	6.8	201
07/04/18 12:30 PM	22560	364	1.25	ND	ND	ND	ND	ND	ND	ND	5.1	185
07/04/18 01:00 PM	23319	362	1.24	ND	ND	0.023	ND	ND	ND	ND	7.2	177
07/04/18 01:30 PM	23345	362	1.25	ND	ND	0.033	ND	ND	ND	ND	5.2	177
07/04/18 02:00 PM	23735	362	1.24	ND	ND	0.037	ND	ND	ND	ND	4.6	154
07/04/18 02:30 PM	25518	349	1.32	ND	ND	ND	ND	ND	ND	ND	5.7	98
07/04/18 03:00 PM	25504	350	1.23	ND	ND	ND	ND	ND	ND	ND	5.9	112
07/04/18 03:30 PM	25345	361	1.22	ND	ND	ND	ND	ND	ND	ND	6.4	119
07/04/18 04:00 PM	25225	362	1.26	ND	ND	ND	ND	0.000	ND	ND	6.9	103
07/04/18 04:30 PM	24806	362	1.28	ND	ND	ND	ND	0.000	ND	ND	7.6	98
07/04/18 05:00 PM	24339	350	1.25	ND	ND	ND	ND	ND	ND	ND	8.8	96
07/04/18 05:30 PM	24246	356	1.28	ND	ND	ND	ND	ND	ND	ND	7.2	95
07/04/18 06:00 PM	24449	362	1.30	ND	ND	ND	ND	ND	ND	ND	6.3	96
07/04/18 06:30 PM	24144	363	1.31	ND	ND	ND	ND	ND	ND	ND	6.4	91
07/04/18 07:00 PM	23183	361	1.35	ND	ND	0.002	ND	ND	ND	ND	6.7	82
07/04/18 07:30 PM	21781	355	1.34	ND	ND	ND	ND	ND	ND	ND	7.8	92
07/04/18 08:00 PM	21907	356	1.34	ND	ND	ND	ND	ND	ND	ND	6.3	87
07/04/18 08:30 PM	22210	362	1.33	ND	ND	0.002	ND	ND	ND	ND	6.5	73
07/04/18 09:00 PM	22298	365	1.36	ND	ND	0.001	0.001	ND	ND	ND	6.4	78
07/04/18 09:30 PM	22179	366	1.34	ND	ND	ND	0.003	ND	ND	ND	6.1	67
07/04/18 10:00 PM	22065	366	1.34	ND	ND	ND	ND	ND	ND	ND	6.5	68
07/04/18 10:30 PM	21955	366	1.33	ND	ND	0.002	ND	ND	ND	ND	6.5	72
07/04/18 11:00 PM	21901	367	1.34	ND	ND	0.003	ND	ND	ND	ND	6.3	69
07/04/18 11:30 PM	21850	366	1.35	ND	ND	0.001	ND	ND	0.000	ND	8.1	67
07/05/18 12:00 AM	21616	363	1.41	ND	ND	ND	ND	ND	ND	ND	9.4	81

## Daily Processed Summary (Average, Maximum)

Average	23975	362	1.27	0.000	0.000	0.002	0.000	0.000	0.000	BDL	3.9	151
Maximum Value	25518	367	1.41	0.001	0.001	0.037	0.003	0.000	0.000	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/05/18 12:30 AM	21709	356	1.44	ND	ND	ND	ND	ND	ND	ND	8.9	88
07/05/18 01:00 AM	22354	364	1.44	ND	ND	0.002	ND	ND	ND	ND	7.9	89
07/05/18 01:30 AM	22768	366	1.39	ND	ND	ND	ND	0.000	ND	ND	7.9	98
07/05/18 02:00 AM	22452	363	1.29	ND	ND	ND	ND	0.001	0.003	ND	9.0	115
07/05/18 02:30 AM	21219	362	1.31	ND	ND	ND	ND	0.001	0.001	ND	9.2	217
07/05/18 03:00 AM	20126	359	1.34	ND	ND	ND	ND	ND	ND	ND	9.3	254
07/05/18 03:30 AM	20194	359	1.34	ND	ND	0.002	0.001	ND	ND	ND	9.1	267
07/05/18 04:00 AM	20425	360	1.34	ND	ND	ND	ND	ND	ND	ND	6.2	277
07/05/18 04:30 AM	20254	360	1.34	ND	ND	ND	ND	ND	ND	ND	4.4	265
07/05/18 05:00 AM	20194	365	1.59	ND	ND	ND	ND	ND	ND	ND	4.4	26
07/05/18 05:30 AM	20063	366	1.50	ND	ND	ND	ND	ND	ND	ND	5.4	48
07/05/18 06:00 AM	19911	367	1.43	ND	ND	ND	ND	ND	ND	ND	4.8	49
07/05/18 06:30 AM	19888	368	1.45	ND	ND	ND	ND	ND	ND	ND	1.8	58
07/05/18 07:00 AM	19877	370	1.45	ND	ND	ND	ND	ND	ND	ND	2.0	150
07/05/18 07:30 AM	20151	369	1.43	ND	ND	0.001	ND	ND	ND	ND	4.5	55
07/05/18 08:00 AM	20454	367	1.40	ND	ND	ND	0.001	ND	ND	ND	4.5	49
07/05/18 08:30 AM	20550	368	1.51	ND	ND	ND	ND	ND	ND	ND	5.1	25
07/05/18 09:00 AM	21301	368	1.49	ND	ND	ND	ND	ND	ND	ND	6.3	23
07/05/18 09:30 AM	22465	369	1.37	ND	ND	ND	ND	ND	ND	ND	5.4	28
07/05/18 10:00 AM	23280	368	1.32	ND	ND	ND	ND	ND	ND	ND	4.0	127
07/05/18 10:30 AM	23445	370	1.32	ND	ND	ND	ND	ND	ND	ND	6.5	105
07/05/18 11:00 AM	23140	369	1.30	ND	ND	0.001	ND	ND	ND	ND	6.2	105
07/05/18 11:30 AM	22411	368	1.28	ND	ND	ND	ND	ND	ND	ND	6.9	106
07/05/18 12:00 PM	21935	368	1.29	ND	ND	ND	ND	ND	ND	ND	7.5	93
07/05/18 12:30 PM	22537	369	1.26	ND	ND	ND	ND	ND	ND	ND	8.4	107
07/05/18 01:00 PM	22276	369	1.27	0.001	ND	ND	ND	ND	ND	ND	7.3	94
07/05/18 01:30 PM	20984	366	1.31	ND	ND	0.005	ND	ND	ND	ND	13.3	32
07/05/18 02:00 PM	21764	363	1.36	ND	ND	ND	ND	ND	ND	ND	7.3	125
07/05/18 02:30 PM	21640	364	1.54	ND	ND	ND	ND	0.001	ND	ND	3.5	60
07/05/18 03:00 PM	22092	365	1.34	0.002	ND	ND	ND	ND	ND	ND	5.2	80
07/05/18 03:30 PM	21767	365	1.36	0.002	ND	ND	ND	ND	ND	ND	5.3	94
07/05/18 04:00 PM	22398	368	1.41	ND	ND	ND	ND	0.000	ND	ND	6.9	45
07/05/18 04:30 PM	23055	362	1.33	ND	ND	ND	0.002	0.001	ND	ND	4.7	65
07/05/18 05:00 PM	22552	362	1.28	ND	ND	ND	ND	0.002	ND	ND	7.1	64
07/05/18 05:30 PM	22217	362	1.28	ND	ND	ND	ND	0.003	ND	ND	4.5	73
07/05/18 06:00 PM	22180	363	1.27	ND	ND	ND	ND	0.004	ND	ND	3.1	81
07/05/18 06:30 PM	21944	363	1.29	ND	ND	ND	ND	0.004	ND	ND	4.1	121
07/05/18 07:00 PM	21433	362	1.27	ND	ND	ND	ND	0.004	ND	ND	4.1	60
07/05/18 07:30 PM	21751	363	1.32	ND	ND	ND	ND	0.004	ND	ND	3.4	83
07/05/18 08:00 PM	22277	364	1.34	ND	ND	ND	ND	0.004	ND	ND	3.6	180
07/05/18 08:30 PM	22836	365	1.28	ND	ND	ND	ND	0.003	ND	ND	3.4	233
07/05/18 09:00 PM	23296	368	1.29	ND	ND	ND	ND	0.002	ND	ND	3.6	213
07/05/18 09:30 PM	23139	368	1.27	ND	ND	ND	ND	0.002	ND	ND	3.2	211
07/05/18 10:00 PM	23162	373	1.31	ND	ND	ND	ND	0.002	ND	ND	3.1	218
07/05/18 10:30 PM	23209	374	1.28	ND	ND	ND	ND	0.002	ND	ND	3.0	235
07/05/18 11:00 PM	23393	376	1.27	ND	ND	ND	ND	0.002	ND	ND	4.0	218
07/05/18 11:30 PM	23441	374	1.27	ND	ND	ND	ND	0.002	ND	ND	3.9	211
07/06/18 12:00 AM	23171	372	1.28	ND	ND	ND	ND	0.002	ND	ND	3.3	215

## Daily Processed Summary (Average, Maximum)

Average	21856	366	1.35	0.000	BDL	0.000	0.000	0.001	0.000	BDL	2.3	89
Maximum Value	23445	376	1.59	0.002	BDL	0.005	0.002	0.004	0.003	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/06/18 12:30 AM	23113	371	1.27	ND	ND	0.005	ND	0.001	ND	ND	4.8	190
07/06/18 01:00 AM	23570	370	1.27	ND	ND	ND	ND	0.000	ND	ND	3.7	207
07/06/18 01:30 AM	23179	368	1.27	ND	ND	ND	ND	ND	ND	ND	5.2	204
07/06/18 02:00 AM	23610	369	1.27	ND	ND	ND	ND	ND	ND	ND	3.9	227
07/06/18 02:30 AM	23685	370	1.27	ND	ND	ND	ND	ND	ND	ND	3.6	275
07/06/18 03:00 AM	24473	378	1.28	ND	ND	ND	ND	ND	ND	ND	3.8	301
07/06/18 03:30 AM	23972	385	1.31	ND	ND	ND	ND	ND	ND	ND	3.4	258
07/06/18 04:00 AM	24075	386	1.43	0.002	ND	0.004	ND	ND	ND	ND	5.6	295
07/06/18 04:30 AM	23954	385	1.96	0.002	ND	0.010	ND	ND	ND	ND	6.4	319
07/06/18 05:00 AM	23725	389	1.83	ND	ND	ND	ND	ND	ND	ND	4.3	323
07/06/18 05:30 AM	23689	394	1.85	ND	ND	ND	ND	0.000	ND	ND	2.6	218
07/06/18 06:00 AM	23695	396	1.83	ND	ND	ND	ND	ND	ND	ND	2.2	252
07/06/18 06:30 AM	23708	394	1.82	ND	ND	ND	ND	0.000	ND	ND	4.5	314
07/06/18 07:00 AM	23591	393	2.14	ND	ND	ND	ND	ND	ND	ND	5.1	324
07/06/18 07:30 AM	23519	392	2.12	ND	ND	ND	ND	ND	ND	ND	4.9	328
07/06/18 08:00 AM	23511	388	1.73	ND	ND	ND	0.002	0.001	0.000	ND	6.4	342
07/06/18 08:30 AM	23349	385	1.55	ND	ND	ND	ND	0.000	0.002	ND	7.7	347
07/06/18 09:00 AM	23121	380	1.50	ND	ND	ND	ND	0.003	0.006	ND	8.0	346
07/06/18 09:30 AM	22946	373	1.42	ND	ND	ND	ND	0.006	0.001	ND	8.4	347
07/06/18 10:00 AM	22687	371	1.38	ND	ND	ND	ND	0.007	ND	ND	8.8	343
07/06/18 10:30 AM	22515	372	1.39	ND	ND	ND	ND	0.006	ND	ND	7.5	232
07/06/18 11:00 AM	21890	370	1.38	ND	ND	ND	ND	0.004	ND	ND	8.0	341
07/06/18 11:30 AM	21299	367	1.35	ND	ND	ND	ND	0.004	ND	ND	8.8	335
07/06/18 12:00 PM	21548	370	1.36	ND	ND	ND	ND	0.004	ND	ND	7.1	291
07/06/18 12:30 PM	21475	368	1.35	ND	ND	ND	ND	0.005	ND	ND	8.1	236
07/06/18 01:00 PM	21227	370	1.36	ND	ND	ND	ND	0.005	ND	ND	9.9	68
07/06/18 01:30 PM	21784	370	1.38	ND	ND	ND	ND	0.005	ND	ND	8.7	61
07/06/18 02:00 PM	23525	371	1.39	ND	ND	ND	ND	0.004	ND	ND	9.5	122
07/06/18 02:30 PM	23826	370	1.37	ND	ND	ND	ND	0.005	ND	ND	11.0	126
07/06/18 03:00 PM	24299	372	1.36	ND	ND	ND	ND	0.005	ND	ND	13.2	145
07/06/18 03:30 PM	23793	369	1.36	ND	ND	ND	ND	0.003	ND	ND	15.5	182
07/06/18 04:00 PM											13.0	194
07/06/18 04:30 PM	23007	343	1.29	ND	ND	ND	ND	ND	ND	ND	6.7	215
07/06/18 05:00 PM	23153	355	1.32	ND	ND	ND	ND	0.001	ND	ND	7.0	211
07/06/18 05:30 PM	23103	364	1.33	ND	ND	ND	ND	ND	ND	ND	7.5	199
07/06/18 06:00 PM	22351	369	1.35	ND	ND	ND	ND	ND	ND	ND	6.2	192
07/06/18 06:30 PM	21940	369	1.36	ND	ND	0.003	ND	ND	ND	ND	5.3	152
07/06/18 07:00 PM	21547	369	1.38	0.001	ND	ND	ND	ND	ND	ND	4.5	111
07/06/18 07:30 PM	22151	369	1.43	ND	ND	ND	0.001	ND	ND	0.003	2.7	70
07/06/18 08:00 PM	22016	373	1.46	ND	ND	0.005	ND	ND	ND	ND	3.6	72
07/06/18 08:30 PM	22029	376	1.68	0.002	ND	0.013	ND	ND	ND	ND	3.0	32
07/06/18 09:00 PM	21870	376	1.56	ND	ND	0.001	0.001	ND	ND	ND	3.8	50
07/06/18 09:30 PM	21964	385	1.52	ND	ND	ND	ND	ND	ND	ND	3.0	35
07/06/18 10:00 PM	21702	378	1.48	ND	ND	ND	ND	ND	ND	0.003	3.3	100
07/06/18 10:30 PM	21992	386	1.55	ND	ND	0.001	ND	ND	ND	ND	1.9	103
07/06/18 11:00 PM	21789	396	1.49	ND	ND	ND	ND	ND	ND	ND	3.1	36
07/06/18 11:30 PM	21659	394	2.58	ND	ND	ND	ND	ND	ND	ND	3.1	30
07/07/18 12:00 AM	21909	403	2.84	ND	ND	ND	ND	0.000	0.001	ND	2.4	68

## Daily Processed Summary (Average, Maximum)

Average	22820	377	1.54	0.000	BDL	0.001	0.000	0.002	0.000	0.000	0.5	252
Maximum Value	24473	403	2.84	0.002	BDL	0.013	0.002	0.007	0.006	0.003		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/07/18 12:30 AM	21977	414	2.18	ND	ND	ND	ND	ND	ND	ND	3.9	292
07/07/18 01:00 AM	22121	407	1.79	ND	ND	ND	ND	ND	ND	ND	3.3	124
07/07/18 01:30 AM	22081	405	1.77	ND	ND	ND	ND	0.000	ND	ND	4.2	129
07/07/18 02:00 AM	21756	409	2.37	ND	ND	ND	ND	ND	ND	ND	4.4	20
07/07/18 02:30 AM	21489	411	1.97	ND	ND	ND	ND	ND	ND	ND	4.0	28
07/07/18 03:00 AM	21361	404	1.90	ND	ND	ND	ND	0.000	ND	ND	4.4	27
07/07/18 03:30 AM	21494	400	1.89	ND	ND	0.002	ND	ND	ND	ND	5.0	31
07/07/18 04:00 AM	21862	398	2.00	ND	ND	ND	ND	ND	ND	ND	3.8	28
07/07/18 04:30 AM	21807	393	2.07	ND	ND	ND	ND	0.000	ND	ND	5.3	69
07/07/18 05:00 AM	21802	389	1.81	ND	ND	ND	ND	0.000	ND	ND	5.2	180
07/07/18 05:30 AM	21938	388	1.72	ND	ND	0.001	ND	ND	ND	ND	5.7	13
07/07/18 06:00 AM	21786	385	1.68	ND	ND	ND	ND	ND	ND	ND	5.5	8
07/07/18 06:30 AM	21766	388	1.69	ND	ND	0.006	ND	ND	ND	ND	2.3	125
07/07/18 07:00 AM	21628	396	1.78	ND	ND	0.005	ND	ND	ND	ND	3.0	175
07/07/18 07:30 AM	21793	388	1.67	0.001	ND	ND	ND	0.000	ND	ND	6.1	14
07/07/18 08:00 AM	21271	375	1.55	ND	ND	ND	ND	0.001	ND	ND	7.7	17
07/07/18 08:30 AM	21644	372	1.54	ND	ND	ND	ND	0.002	ND	ND	8.0	30
07/07/18 09:00 AM	21917	370	1.45	ND	ND	ND	ND	0.003	ND	ND	9.1	33
07/07/18 09:30 AM	22325	369	1.43	ND	ND	ND	ND	0.003	ND	ND	9.6	22
07/07/18 10:00 AM	22742	368	1.40	ND	ND	ND	ND	0.004	ND	ND	8.9	25
07/07/18 10:30 AM	22477	368	1.37	ND	ND	ND	ND	0.004	ND	ND	8.0	39
07/07/18 11:00 AM	22480	368	1.37	ND	ND	ND	ND	0.004	ND	ND	7.5	42
07/07/18 11:30 AM	22028	368	1.37	ND	ND	ND	ND	0.005	ND	ND	6.9	54
07/07/18 12:00 PM	22116	369	1.37	ND	ND	ND	ND	0.005	ND	ND	6.1	62
07/07/18 12:30 PM	21992	369	1.37	ND	ND	ND	ND	0.005	ND	ND	7.2	32
07/07/18 01:00 PM	22034	367	1.39	ND	ND	ND	ND	0.005	ND	ND	7.6	53
07/07/18 01:30 PM	23124	368	1.37	ND	ND	ND	ND	0.004	ND	ND	7.7	135
07/07/18 02:00 PM	22607	368	1.37	ND	ND	ND	ND	0.004	ND	ND	10.1	134
07/07/18 02:30 PM	22711	367	1.35	ND	ND	ND	ND	0.005	ND	ND	11.3	135
07/07/18 03:00 PM	22093	368	1.35	ND	ND	ND	ND	0.005	ND	ND	9.2	118
07/07/18 03:30 PM	21600	370	1.36	ND	ND	ND	ND	0.007	ND	ND	10.2	129
07/07/18 04:00 PM	22028	369	1.35	ND	ND	ND	ND	0.006	ND	ND	10.5	119
07/07/18 04:30 PM	21959	368	1.34	ND	ND	ND	ND	0.005	ND	ND	9.5	122
07/07/18 05:00 PM	21653	367	1.34	ND	ND	ND	ND	0.005	ND	ND	9.6	120
07/07/18 05:30 PM	21930	366	1.32	ND	ND	ND	ND	0.004	ND	ND	9.3	133
07/07/18 06:00 PM	21585	366	1.31	ND	ND	ND	ND	0.005	ND	ND	9.4	136
07/07/18 06:30 PM	21886	366	1.31	ND	ND	ND	ND	0.005	ND	ND	8.7	140
07/07/18 07:00 PM	21966	366	1.30	ND	ND	ND	ND	0.004	ND	ND	9.1	130
07/07/18 07:30 PM	21879	366	1.29	ND	ND	ND	ND	0.004	ND	ND	9.1	130
07/07/18 08:00 PM	21864	367	1.33	ND	ND	ND	ND	0.004	ND	ND	5.7	106
07/07/18 08:30 PM	22045	367	1.38	ND	ND	ND	ND	0.003	ND	ND	5.0	106
07/07/18 09:00 PM	21849	367	1.30	ND	ND	ND	ND	0.003	ND	ND	6.4	119
07/07/18 09:30 PM	21932	367	1.32	ND	ND	ND	ND	0.003	ND	ND	6.9	125
07/07/18 10:00 PM	22038	366	1.30	ND	ND	ND	ND	0.003	ND	ND	6.6	126
07/07/18 10:30 PM	22283	366	1.29	ND	ND	ND	ND	0.003	ND	ND	6.2	129
07/07/18 11:00 PM	22234	366	1.29	ND	ND	ND	ND	0.002	ND	ND	6.2	166
07/07/18 11:30 PM	22265	366	1.30	ND	ND	ND	ND	0.003	ND	ND	7.1	186
07/08/18 12:00 AM	22250	366	1.31	ND	ND	ND	ND	0.003	ND	ND	6.1	190

## Daily Processed Summary (Average, Maximum)

Average	21989	377	1.52	0.000	BDL	0.000	BDL	0.003	BDL	BDL	4.2	96
Maximum Value	23124	414	2.37	0.001	BDL	0.006	BDL	0.007	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/08/18 12:30 AM	22177	367	1.32	ND	ND	ND	ND	0.003	ND	ND	5.1	193
07/08/18 01:00 AM	22508	369	1.32	ND	ND	ND	ND	0.002	ND	ND	4.6	199
07/08/18 01:30 AM	22577	369	1.34	ND	ND	ND	ND	0.000	ND	ND	4.8	192
07/08/18 02:00 AM	22685	369	1.33	ND	ND	ND	ND	ND	0.000	ND	4.6	192
07/08/18 02:30 AM	22620	369	1.32	ND	ND	ND	ND	ND	ND	0.003	4.4	189
07/08/18 03:00 AM	22937	369	1.31	ND	ND	ND	ND	ND	ND	ND	4.4	224
07/08/18 03:30 AM	22617	370	1.32	ND	ND	ND	ND	ND	ND	ND	3.6	237
07/08/18 04:00 AM	22400	368	1.32	ND	ND	ND	ND	0.000	ND	ND	3.1	220
07/08/18 04:30 AM	22777	369	1.34	ND	ND	ND	ND	ND	0.000	ND	2.8	228
07/08/18 05:00 AM	22670	399	1.58	ND	ND	ND	ND	ND	ND	ND	3.9	303
07/08/18 05:30 AM	21602	355	1.31	ND	ND	ND	ND	ND	ND	ND	9.2	236
07/08/18 06:00 AM	22015	359	1.30	ND	ND	ND	ND	ND	ND	ND	3.7	283
07/08/18 06:30 AM	22197	368	1.34	ND	ND	0.001	ND	ND	ND	ND	1.9	162
07/08/18 07:00 AM	22020	378	1.47	ND	ND	0.001	ND	ND	ND	ND	2.5	232
07/08/18 07:30 AM	22163	383	1.42	ND	ND	ND	ND	0.000	0.000	ND	2.0	280
07/08/18 08:00 AM	22617	371	1.33	ND	ND	ND	ND	ND	0.000	ND	2.5	276
07/08/18 08:30 AM	22807	370	1.34	ND	ND	ND	ND	0.000	ND	ND	2.1	257
07/08/18 09:00 AM	22922	370	1.33	ND	ND	ND	ND	ND	ND	ND	5.9	192
07/08/18 09:30 AM	21646	363	1.33	ND	ND	ND	ND	ND	ND	ND	8.3	208
07/08/18 10:00 AM	21330	359	1.34	ND	ND	ND	ND	ND	ND	ND	3.5	282
07/08/18 10:30 AM	21263	364	1.34	ND	ND	ND	ND	0.000	ND	ND	2.1	187
07/08/18 11:00 AM	21609	366	1.34	ND	ND	ND	ND	0.000	0.001	ND	1.8	144
07/08/18 11:30 AM	21888	369	1.36	ND	ND	ND	ND	0.000	0.000	ND	2.5	199
07/08/18 12:00 PM	22149	370	1.37	ND	ND	ND	0.001	ND	ND	ND	2.8	257
07/08/18 12:30 PM	21819	369	1.34	ND	ND	ND	ND	ND	ND	ND	3.1	200
07/08/18 01:00 PM	22021	369	1.33	ND	ND	0.001	ND	0.000	ND	ND	5.9	141
07/08/18 01:30 PM	22219	370	1.33	ND	ND	0.001	ND	ND	ND	ND	4.6	142
07/08/18 02:00 PM	21792	373	1.36	ND	ND	ND	ND	0.000	ND	ND	3.7	168
07/08/18 02:30 PM	21496	371	1.33	ND	ND	ND	ND	ND	ND	ND	4.9	188
07/08/18 03:00 PM	21740	371	1.32	ND	ND	ND	ND	ND	ND	ND	5.6	204
07/08/18 03:30 PM	22897	372	1.33	ND	ND	ND	ND	ND	ND	ND	8.9	180
07/08/18 04:00 PM	22369	371	1.31	ND	ND	0.005	ND	ND	ND	ND	10.9	174
07/08/18 04:30 PM	22624	369	1.29	ND	ND	ND	ND	ND	0.002	ND	9.6	181
07/08/18 05:00 PM	22851	369	1.28	ND	ND	ND	ND	ND	ND	ND	11.5	166
07/08/18 05:30 PM	23419	369	1.27	ND	ND	0.001	ND	ND	ND	ND	10.6	174
07/08/18 06:00 PM	23287	368	1.27	0.000	ND	ND	ND	ND	ND	ND	7.2	180
07/08/18 06:30 PM	23343	367	1.26	ND	ND	ND	ND	ND	ND	ND	5.6	191
07/08/18 07:00 PM	23300	367	1.26	ND	ND	ND	ND	ND	ND	ND	6.4	189
07/08/18 07:30 PM	23099	367	1.26	ND	ND	ND	ND	ND	ND	ND	7.9	198
07/08/18 08:00 PM	22914	366	1.27	ND	ND	ND	ND	ND	ND	ND	7.0	185
07/08/18 08:30 PM	21246	367	1.31	ND	ND	ND	ND	ND	ND	ND	7.3	173
07/08/18 09:00 PM	20971	368	1.32	ND	0.001	0.006	ND	ND	ND	ND	6.4	164
07/08/18 09:30 PM	20599	367	1.32	ND	0.003	0.001	ND	ND	0.001	ND	7.8	179
07/08/18 10:00 PM	21060	367	1.32	ND	ND	0.003	ND	0.000	ND	ND	8.0	180
07/08/18 10:30 PM	21675	367	1.30	ND	ND	0.001	ND	ND	ND	ND	7.9	182
07/08/18 11:00 PM	23252	368	1.30	ND	ND	ND	ND	ND	ND	ND	7.7	177
07/08/18 11:30 PM	23413	368	1.26	ND	0.013	ND	ND	ND	ND	ND	7.6	165
07/09/18 12:00 AM	23891	371	1.26	ND	0.007	ND	ND	ND	ND	ND	7.5	156

## Daily Processed Summary (Average, Maximum)

Average	22323	369	1.33	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.8	190
Maximum Value	23891	399	1.58	0.000	0.013	0.006	0.001	0.003	0.002	0.003		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/09/18 12:30 AM	23941	370	1.25	ND	0.001	ND	ND	0.000	ND	ND	7.4	166
07/09/18 01:00 AM	24101	368	1.25	ND	ND	ND	ND	ND	ND	ND	10.0	170
07/09/18 01:30 AM	23761	367	1.25	ND	ND	ND	ND	ND	0.000	ND	9.2	170
07/09/18 02:00 AM	23791	368	1.25	0.001	ND	0.002	ND	0.000	ND	ND	8.2	171
07/09/18 02:30 AM	23908	368	1.26	ND	ND	0.009	ND	ND	ND	0.002	7.0	169
07/09/18 03:00 AM	24240	368	1.25	ND	ND	0.005	ND	ND	ND	ND	7.6	177
07/09/18 03:30 AM	24393	368	1.27	ND	ND	0.009	ND	ND	ND	ND	7.2	181
07/09/18 04:00 AM	24509	369	1.28	ND	ND	0.011	ND	ND	ND	ND	6.7	177
07/09/18 04:30 AM	24617	368	1.28	0.000	ND	0.011	ND	ND	ND	ND	8.2	179
07/09/18 05:00 AM	24696	368	1.26	0.001	ND	0.004	0.001	ND	ND	ND	7.3	181
07/09/18 05:30 AM	24750	368	1.26	0.001	ND	ND	0.003	0.001	0.001	ND	7.1	179
07/09/18 06:00 AM	24714	369	1.28	ND	ND	0.003	ND	ND	ND	ND	6.7	177
07/09/18 06:30 AM	24832	369	1.29	ND	ND	ND	ND	ND	ND	ND	6.7	177
07/09/18 07:00 AM	24802	370	1.27	0.000	ND	0.002	ND	0.000	ND	ND	5.7	177
07/09/18 07:30 AM	24828	369	1.26	ND	ND	0.001	ND	ND	ND	ND	5.0	185
07/09/18 08:00 AM	25293	369	1.25	ND	ND	ND	0.001	ND	ND	ND	2.9	205
07/09/18 08:30 AM	25526	370	1.26	ND	ND	ND	ND	ND	ND	ND	3.0	211
07/09/18 09:00 AM	25477	369	1.26	ND	ND	ND	ND	ND	ND	ND	4.3	188
07/09/18 09:30 AM	25004	369	1.26	ND	ND	ND	ND	ND	ND	ND	3.9	196
07/09/18 10:00 AM	24897	369	1.29	ND	ND	ND	ND	ND	ND	ND	2.9	195
07/09/18 10:30 AM	24724	369	1.27	ND	ND	ND	ND	0.000	0.000	ND	5.4	190
07/09/18 11:00 AM	24475	369	1.29	ND	ND	ND	ND	ND	ND	ND	6.5	183
07/09/18 11:30 AM	24585	370	1.27	ND	ND	ND	ND	0.000	ND	ND	7.0	184
07/09/18 12:00 PM	23745	371	1.28	0.000	ND	ND	ND	0.000	ND	ND	7.6	183
07/09/18 12:30 PM	23128	370	1.29	ND	0.002	ND	ND	ND	ND	ND	7.1	183
07/09/18 01:00 PM	23135	369	1.30	ND	ND	0.008	0.001	ND	ND	ND	6.2	213
07/09/18 01:30 PM	23663	366	1.27	ND	ND	0.020	ND	ND	ND	ND	4.3	220
07/09/18 02:00 PM	24036	365	1.32	0.001	ND	ND	ND	0.001	0.002	ND	4.3	86
07/09/18 02:30 PM	24008	371	1.24	ND	ND	ND	ND	0.002	0.003	ND	10.9	150
07/09/18 03:00 PM	23708	372	1.24	ND	ND	ND	ND	0.003	0.002	ND	11.0	139
07/09/18 03:30 PM	23217	371	1.25	ND	ND	ND	ND	0.003	0.006	ND	11.5	146
07/09/18 04:00 PM	23485	372	1.25	ND	ND	ND	ND	0.003	0.005	ND	11.2	144
07/09/18 04:30 PM	23754	372	1.26	ND	ND	ND	ND	0.003	0.002	ND	11.6	138
07/09/18 05:00 PM	23608	371	1.24	ND	ND	ND	ND	0.003	0.005	ND	11.9	131
07/09/18 05:30 PM	23880	372	1.25	ND	ND	ND	ND	0.002	0.006	ND	11.9	144
07/09/18 06:00 PM	23326	370	1.25	ND	ND	ND	ND	0.003	0.007	ND	9.9	138
07/09/18 06:30 PM	22774	368	1.25	ND	ND	ND	ND	0.002	0.006	ND	10.8	123
07/09/18 07:00 PM	22812	367	1.25	ND	ND	0.001	ND	ND	ND	ND	9.6	118
07/09/18 07:30 PM	23430	368	1.25	0.002	ND	0.009	ND	ND	ND	ND	9.1	122
07/09/18 08:00 PM	23801	367	1.23	0.002	ND	0.008	ND	ND	ND	ND	9.7	128
07/09/18 08:30 PM	24020	366	1.24	ND	ND	ND	ND	ND	0.000	ND	8.8	125
07/09/18 09:00 PM	24076	365	1.24	ND	ND	ND	ND	ND	ND	ND	8.9	129
07/09/18 09:30 PM	24033	365	1.24	ND	ND	ND	ND	ND	0.000	ND	9.3	133
07/09/18 10:00 PM	24077	365	1.24	ND	ND	0.002	0.001	ND	ND	ND	9.9	135
07/09/18 10:30 PM	24091	365	1.24	ND	ND	ND	ND	ND	ND	ND	7.6	123
07/09/18 11:00 PM	23905	366	1.25	ND	ND	ND	0.001	ND	ND	ND	6.5	125
07/09/18 11:30 PM	23825	367	1.24	ND	ND	ND	ND	ND	ND	ND	8.1	138
07/10/18 12:00 AM	23640	366	1.25	ND	ND	ND	ND	ND	ND	ND	7.3	121

## Daily Processed Summary (Average, Maximum)

Average	24105	368	1.26	0.000	0.000	0.002	0.000	0.001	0.001	0.000	6.9	155
Maximum Value	25526	372	1.32	0.002	0.002	0.020	0.003	0.003	0.007	0.002		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/10/18 12:30 AM	23583	367	1.26	ND	ND	ND	ND	0.000	ND	ND	6.2	127
07/10/18 01:00 AM	23942	368	1.25	ND	ND	ND	ND	0.001	ND	ND	4.9	131
07/10/18 01:30 AM	23878	369	1.27	ND	ND	ND	ND	ND	ND	ND	5.3	112
07/10/18 02:00 AM	23936	370	1.28	0.000	ND	ND	ND	0.000	ND	ND	6.0	123
07/10/18 02:30 AM	23814	368	1.27	ND	ND	ND	ND	ND	ND	ND	6.3	129
07/10/18 03:00 AM	23299	368	1.27	ND	ND	ND	0.001	ND	ND	ND	5.8	129
07/10/18 03:30 AM	23254	369	1.28	ND	ND	0.001	ND	ND	ND	ND	4.8	119
07/10/18 04:00 AM	23418	374	1.40	ND	ND	ND	ND	ND	ND	ND	4.7	109
07/10/18 04:30 AM	23306	380	1.50	ND	ND	ND	0.001	ND	ND	ND	4.3	104
07/10/18 05:00 AM	23439	383	1.72	ND	ND	0.001	ND	ND	0.001	ND	3.4	97
07/10/18 05:30 AM	23387	389	1.46	ND	ND	ND	ND	ND	ND	ND	2.3	242
07/10/18 06:00 AM	23216	388	1.38	ND	ND	ND	ND	ND	ND	ND	2.1	137
07/10/18 06:30 AM	22755	403	1.81	ND	ND	ND	0.002	ND	0.000	ND	3.3	28
07/10/18 07:00 AM	22426	415	2.06	0.001	ND	ND	ND	ND	ND	ND	3.6	19
07/10/18 07:30 AM	22746	414	2.31	ND	ND	ND	0.004	0.000	ND	ND	1.6	56
07/10/18 08:00 AM	23511	405	1.63	ND	ND	ND	ND	ND	ND	ND	2.4	123
07/10/18 08:30 AM	24384	393	1.46	ND	ND	ND	ND	0.002	ND	ND	2.8	85
07/10/18 09:00 AM	24833	383	1.39	ND	ND	ND	ND	0.001	ND	ND	4.6	86
07/10/18 09:30 AM	24670	377	1.32	ND	ND	ND	ND	0.002	ND	ND	5.4	95
07/10/18 10:00 AM	23690	373	1.28	ND	ND	ND	ND	0.003	ND	ND	5.4	107
07/10/18 10:30 AM	22706	370	1.26	ND	ND	ND	ND	ND	ND	ND	4.2	147
07/10/18 11:00 AM	23270	371	1.25	ND	ND	ND	ND	ND	0.001	ND	6.6	138
07/10/18 11:30 AM	22757	370	1.25	ND	ND	ND	ND	0.000	ND	ND	7.3	125
07/10/18 12:00 PM	22887	370	1.25	ND	ND	ND	ND	ND	ND	ND	6.9	115
07/10/18 12:30 PM	23515	371	1.24	ND	ND	ND	ND	ND	ND	ND	8.9	128
07/10/18 01:00 PM	23316	373	1.25	ND	ND	ND	ND	ND	ND	ND	8.6	144
07/10/18 01:30 PM	22562	373	1.25	ND	ND	ND	ND	ND	ND	ND	8.1	147
07/10/18 02:00 PM	22586	373	1.26	ND	ND	ND	ND	ND	ND	ND	9.2	131
07/10/18 02:30 PM	21593	371	1.27	ND	ND	ND	ND	ND	ND	ND	8.0	126
07/10/18 03:00 PM	22604	373	1.25	0.000	ND	ND	ND	ND	ND	ND	9.9	150
07/10/18 03:30 PM	21906	373	1.26	ND	ND	ND	ND	ND	ND	ND	8.9	161
07/10/18 04:00 PM	22584	374	1.26	ND	ND	ND	ND	ND	ND	ND	10.6	159
07/10/18 04:30 PM	22847	374	1.27	ND	ND	ND	ND	ND	ND	ND	11.5	155
07/10/18 05:00 PM	22983	373	1.25	ND	ND	ND	ND	ND	ND	ND	12.0	149
07/10/18 05:30 PM	23148	372	1.25	ND	ND	ND	ND	ND	ND	ND	11.3	157
07/10/18 06:00 PM	22937	373	1.26	ND	ND	ND	ND	ND	ND	ND	11.2	150
07/10/18 06:30 PM	22992	370	1.25	ND	ND	ND	ND	ND	ND	ND	10.7	147
07/10/18 07:00 PM	23377	372	1.25	ND	ND	ND	ND	ND	ND	ND	10.0	154
07/10/18 07:30 PM	23817	370	1.24	0.001	ND	ND	ND	ND	ND	ND	9.1	153
07/10/18 08:00 PM	23676	369	1.24	ND	ND	0.003	ND	ND	ND	ND	9.3	146
07/10/18 08:30 PM	23141	369	1.25	ND	ND	0.003	ND	ND	ND	ND	6.8	162
07/10/18 09:00 PM	23368	367	1.23	ND	0.001	ND	ND	ND	ND	ND	5.9	163
07/10/18 09:30 PM	23330	368	1.25	ND	ND	ND	ND	ND	ND	0.002	5.8	179
07/10/18 10:00 PM	22855	368	1.27	ND	ND	0.001	ND	ND	ND	ND	6.1	170
07/10/18 10:30 PM	23402	367	1.26	ND	ND	0.002	ND	ND	ND	ND	6.4	183
07/10/18 11:00 PM	24192	367	1.25	ND	ND	ND	ND	ND	ND	ND	7.2	184
07/10/18 11:30 PM	23864	366	1.25	ND	ND	ND	ND	ND	0.001	ND	7.4	184
07/11/18 12:00 AM	23643	366	1.25	ND	ND	ND	0.001	0.000	ND	ND	6.4	191

## Daily Processed Summary (Average, Maximum)

Average	23278	376	1.35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.8	142
Maximum Value	24833	415	2.31	0.001	0.001	0.003	0.004	0.003	0.001	0.002		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/11/18 12:30 AM	24020	367	1.26	ND	ND	ND	ND	0.001	ND	ND	5.9	190
07/11/18 01:00 AM	23831	368	1.28	ND	ND	0.001	ND	0.000	0.001	ND	5.6	192
07/11/18 01:30 AM	23855	367	1.27	ND	ND	0.001	ND	ND	ND	ND	5.2	188
07/11/18 02:00 AM	23804	367	1.27	ND	ND	0.002	ND	ND	ND	ND	5.2	186
07/11/18 02:30 AM	24077	368	1.28	ND	ND	0.001	ND	ND	ND	ND	5.6	186
07/11/18 03:00 AM	24583	367	1.25	ND	ND	0.001	ND	ND	ND	ND	5.0	178
07/11/18 03:30 AM	24442	366	1.25	ND	ND	ND	ND	0.000	0.000	ND	6.2	178
07/11/18 04:00 AM	23919	367	1.27	ND	ND	ND	ND	ND	0.001	ND	6.0	179
07/11/18 04:30 AM	23598	366	1.27	ND	ND	ND	ND	ND	ND	ND	4.9	181
07/11/18 05:00 AM	23419	368	1.28	ND	ND	ND	ND	ND	ND	ND	4.6	177
07/11/18 05:30 AM	23227	369	1.28	ND	ND	ND	ND	ND	ND	ND	4.6	181
07/11/18 06:00 AM	23359	369	1.27	ND	ND	ND	ND	ND	ND	ND	4.2	180
07/11/18 06:30 AM	23733	369	1.27	ND	ND	ND	ND	ND	ND	ND	3.7	181
07/11/18 07:00 AM	23736	369	1.27	ND	ND	ND	0.001	ND	0.000	ND	4.3	180
07/11/18 07:30 AM	23959	374	1.29	ND	ND	ND	0.006	0.000	0.001	ND	3.8	169
07/11/18 08:00 AM	24492	369	1.28	ND	ND	ND	ND	ND	ND	ND	3.9	184
07/11/18 08:30 AM	24634	368	1.28	ND	ND	0.001	ND	ND	ND	ND	4.3	192
07/11/18 09:00 AM	24750	366	1.23	ND	ND	ND	ND	ND	ND	ND	4.7	202
07/11/18 09:30 AM	24675	365	1.22	ND	ND	ND	ND	ND	ND	ND	5.6	195
07/11/18 10:00 AM	24303	366	1.23	ND	ND	0.003	ND	0.000	ND	ND	5.1	199
07/11/18 10:30 AM	23937	368	1.24	0.000	ND	ND	ND	0.001	ND	ND	5.4	196
07/11/18 11:00 AM	23817	369	1.24	ND	ND	ND	ND	ND	ND	ND	5.5	207
07/11/18 11:30 AM	23334	367	1.24	ND	ND	ND	ND	ND	0.000	ND	4.3	199
07/11/18 12:00 PM	23770	368	1.24	ND	ND	ND	ND	0.000	ND	ND	3.0	210
07/11/18 12:30 PM	23515	367	1.23	ND	ND	ND	ND	0.000	ND	ND	3.9	195
07/11/18 01:00 PM	22522	367	1.25	ND	ND	0.002	ND	ND	ND	ND	3.3	208
07/11/18 01:30 PM	21875	367	1.26	ND	ND	ND	ND	0.000	ND	ND	2.8	220
07/11/18 02:00 PM	21315	366	1.26	0.001	ND	ND	ND	ND	ND	ND	2.9	221
07/11/18 02:30 PM	21069	367	1.25	ND	ND	ND	ND	ND	ND	ND	5.4	212
07/11/18 03:00 PM	22310	370	1.24	ND	ND	0.002	ND	ND	ND	ND	7.8	182
07/11/18 03:30 PM	22874	370	1.23	ND	ND	ND	0.001	ND	ND	ND	8.6	185
07/11/18 04:00 PM	22855	371	1.23	ND	ND	0.001	ND	ND	ND	ND	10.0	178
07/11/18 04:30 PM	22285	370	1.25	ND	ND	ND	ND	0.001	ND	ND	12.0	167
07/11/18 05:00 PM	21787	369	1.25	0.001	ND	ND	ND	ND	ND	ND	11.6	172
07/11/18 05:30 PM	21475	369	1.26	ND	ND	ND	0.002	ND	ND	ND	10.7	179
07/11/18 06:00 PM	21021	367	1.27	ND	ND	ND	ND	ND	ND	ND	9.9	174
07/11/18 06:30 PM	20338	366	1.28	ND	0.001	ND	ND	0.000	ND	ND	8.0	177
07/11/18 07:00 PM	21551	367	1.26	0.000	ND	ND	ND	0.000	ND	ND	7.2	172
07/11/18 07:30 PM	22302	369	1.26	0.003	ND	0.009	ND	0.000	0.001	ND	9.2	166
07/11/18 08:00 PM	22628	367	1.26	0.001	ND	0.016	ND	ND	ND	ND	7.1	184
07/11/18 08:30 PM	22406	367	1.27	0.000	ND	0.005	ND	ND	ND	ND	7.2	186
07/11/18 09:00 PM	22599	367	1.27	0.000	0.003	0.013	ND	ND	ND	ND	7.3	180
07/11/18 09:30 PM	22812	366	1.25	0.001	0.006	0.019	ND	ND	ND	ND	7.2	180
07/11/18 10:00 PM	22163	366	1.26	ND	ND	ND	ND	ND	ND	ND	6.7	187
07/11/18 10:30 PM	22475	366	1.28	ND	ND	0.001	ND	ND	ND	ND	6.9	187
07/11/18 11:00 PM	23235	366	1.27	ND	ND	ND	ND	ND	ND	ND	6.5	187
07/11/18 11:30 PM	23629	365	1.27	ND	ND	0.003	0.001	0.001	ND	ND	7.1	187
07/12/18 12:00 AM	22900	365	1.28	ND	ND	0.002	ND	0.001	0.000	ND	7.6	184

## Daily Processed Summary (Average, Maximum)

Average	23109	368	1.26	0.000	0.000	0.002	0.000	0.000	0.000	BDL	6.0	184
Maximum Value	24750	374	1.29	0.003	0.006	0.019	0.006	0.001	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/12/18 12:30 AM	23176	366	1.29	0.000	ND	0.009	0.001	0.001	ND	ND	6.6	183
07/12/18 01:00 AM	23189	367	1.30	ND	ND	0.008	ND	0.000	ND	ND	6.7	185
07/12/18 01:30 AM	22955	367	1.30	ND	ND	ND	ND	0.000	ND	ND	6.4	180
07/12/18 02:00 AM	23112	368	1.30	0.000	ND	0.001	ND	ND	ND	ND	5.5	177
07/12/18 02:30 AM	23380	367	1.30	0.000	ND	0.006	ND	ND	ND	ND	5.9	183
07/12/18 03:00 AM	23801	366	1.29	ND	ND	0.003	ND	0.000	ND	ND	6.1	185
07/12/18 03:30 AM	24283	367	1.27	ND	ND	ND	ND	ND	ND	ND	5.7	182
07/12/18 04:00 AM	24097	366	1.27	ND	ND	0.001	ND	ND	ND	ND	5.3	180
07/12/18 04:30 AM	23901	367	1.27	ND	ND	0.006	ND	ND	ND	ND	4.8	181
07/12/18 05:00 AM	23761	367	1.30	ND	ND	0.001	ND	ND	ND	ND	4.8	181
07/12/18 05:30 AM	23822	366	1.28	ND	ND	0.001	ND	ND	ND	ND	5.4	182
07/12/18 06:00 AM	23821	366	1.27	ND	ND	ND	ND	ND	ND	ND	4.4	178
07/12/18 06:30 AM	23816	367	1.27	ND	ND	ND	ND	ND	ND	ND	4.6	189
07/12/18 07:00 AM	23994	369	1.26	ND	ND	ND	ND	0.000	ND	ND	3.2	210
07/12/18 07:30 AM	23994	370	1.28	ND	ND	ND	ND	ND	ND	ND	3.8	213
07/12/18 08:00 AM	24134	368	1.30	ND	ND	ND	ND	ND	ND	ND	2.8	218
07/12/18 08:30 AM	24339	369	1.38	ND	ND	ND	ND	0.000	0.001	ND	3.4	231
07/12/18 09:00 AM	24511	367	1.32	ND	ND	ND	ND	0.002	ND	ND	4.3	247
07/12/18 09:30 AM	24327	367	1.28	ND	ND	ND	ND	0.000	ND	ND	5.2	244
07/12/18 10:00 AM	24232	369	1.29	ND	ND	ND	ND	ND	ND	ND	4.3	223
07/12/18 10:30 AM	23613	370	1.33	ND	ND	ND	ND	ND	ND	ND	5.2	185
07/12/18 11:00 AM	22546	368	1.33	ND	ND	ND	ND	0.000	ND	ND	5.3	195
07/12/18 11:30 AM	21605	367	1.31	ND	ND	ND	ND	0.001	ND	ND	6.8	191
07/12/18 12:00 PM	21390	367	1.29	ND	ND	0.001	ND	ND	ND	ND	7.1	209
07/12/18 12:30 PM	21453	367	1.28	ND	ND	ND	ND	ND	0.001	ND	8.0	212
07/12/18 01:00 PM	21235	368	1.28	ND	ND	ND	ND	0.001	0.001	ND	8.2	203
07/12/18 01:30 PM	20976	368	1.28	ND	ND	ND	ND	ND	0.001	ND	7.9	214
07/12/18 02:00 PM	21026	369	1.29	ND	ND	0.002	ND	0.000	ND	ND	7.0	198
07/12/18 02:30 PM	20867	371	1.30	ND	ND	ND	ND	ND	ND	ND	7.2	176
07/12/18 03:00 PM	20765	371	1.28	0.000	ND	ND	ND	0.000	0.001	ND	8.1	168
07/12/18 03:30 PM	21115	373	1.28	ND	ND	0.008	0.002	0.000	ND	ND	9.6	161
07/12/18 04:00 PM	21353	373	1.28	ND	ND	ND	ND	ND	ND	ND	10.9	154
07/12/18 04:30 PM	21820	373	1.27	ND	ND	ND	ND	ND	0.001	ND	11.1	156
07/12/18 05:00 PM	22571	372	1.26	ND	ND	ND	0.002	ND	ND	ND	10.6	161
07/12/18 05:30 PM	22573	371	1.26	ND	ND	ND	ND	ND	ND	ND	10.4	167
07/12/18 06:00 PM	22847	370	1.25	ND	ND	0.001	ND	0.000	ND	ND	11.1	154
07/12/18 06:30 PM	23008	371	1.24	0.001	ND	ND	ND	0.000	ND	ND	10.2	153
07/12/18 07:00 PM	23039	370	1.24	0.002	ND	ND	ND	0.001	0.000	ND	10.7	157
07/12/18 07:30 PM	22633	368	1.24	0.001	ND	ND	ND	0.001	ND	ND	9.3	164
07/12/18 08:00 PM	22063	368	1.25	ND	0.001	0.003	ND	ND	ND	ND	9.1	171
07/12/18 08:30 PM	22796	366	1.24	0.000	ND	ND	ND	0.000	ND	ND	10.0	177
07/12/18 09:00 PM	23086	366	1.23	0.001	ND	ND	ND	ND	ND	ND	8.7	173
07/12/18 09:30 PM	22312	367	1.25	ND	0.008	ND	ND	ND	ND	ND	8.6	161
07/12/18 10:00 PM	23107	368	1.24	ND	ND	0.002	ND	0.000	ND	ND	9.0	145
07/12/18 10:30 PM	23617	368	1.24	ND	0.003	0.010	ND	ND	ND	ND	7.2	156
07/12/18 11:00 PM	23509	366	1.23	ND	ND	ND	ND	ND	ND	ND	6.4	167
07/12/18 11:30 PM	23741	364	1.24	ND	ND	0.006	ND	ND	ND	ND	7.9	183
07/13/18 12:00 AM	23825	365	1.28	ND	ND	ND	ND	ND	ND	ND	9.2	179

## Daily Processed Summary (Average, Maximum)

Average	22940	368	1.28	0.000	0.000	0.001	0.000	0.000	0.000	BDL	6.6	178
Maximum Value	24511	373	1.38	0.002	0.008	0.010	0.002	0.002	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/13/18 12:30 AM	23659	365	1.23	ND	0.001	ND	ND	0.001	ND	ND	9.3	172
07/13/18 01:00 AM	23236	365	1.24	ND	ND	ND	ND	0.001	ND	ND	9.7	176
07/13/18 01:30 AM	24160	365	1.23	ND	ND	ND	ND	ND	ND	ND	8.5	181
07/13/18 02:00 AM	24405	365	1.23	ND	ND	0.002	0.001	ND	ND	ND	8.1	184
07/13/18 02:30 AM	24451	365	1.24	ND	ND	0.012	ND	ND	ND	ND	7.9	184
07/13/18 03:00 AM	23911	365	1.25	ND	ND	0.002	ND	ND	ND	ND	7.9	183
07/13/18 03:30 AM	23504	366	1.26	ND	ND	ND	ND	ND	ND	ND	6.5	183
07/13/18 04:00 AM	23573	366	1.27	ND	ND	0.003	ND	0.000	ND	ND	6.5	179
07/13/18 04:30 AM	23321	367	1.26	ND	ND	ND	ND	ND	ND	ND	6.7	178
07/13/18 05:00 AM	23016	366	1.27	ND	ND	ND	ND	ND	ND	ND	6.3	182
07/13/18 05:30 AM	23094	365	1.27	ND	ND	0.001	0.001	ND	ND	ND	6.3	181
07/13/18 06:00 AM	23427	366	1.26	ND	ND	0.003	ND	ND	ND	ND	5.4	183
07/13/18 06:30 AM	23658	366	1.26	ND	ND	ND	ND	ND	0.000	ND	5.5	183
07/13/18 07:00 AM	23959	366	1.25	ND	ND	ND	ND	0.000	ND	ND	5.7	180
07/13/18 07:30 AM	23914	366	1.24	ND	ND	ND	ND	0.000	ND	ND	4.6	184
07/13/18 08:00 AM	24337	366	1.25	ND	ND	ND	ND	0.001	ND	ND	4.6	182
07/13/18 08:30 AM	24176	366	1.24	ND	ND	ND	ND	0.002	ND	ND	6.0	184
07/13/18 09:00 AM	23770	365	1.23	ND	ND	ND	ND	0.002	0.002	ND	6.7	187
07/13/18 09:30 AM	24004	366	1.22	ND	ND	ND	ND	0.002	ND	ND	7.5	186
07/13/18 10:00 AM	24307	367	1.22	ND	ND	ND	ND	0.003	ND	ND	6.7	199
07/13/18 10:30 AM	23536	366	1.23	ND	ND	ND	ND	0.003	ND	ND	5.5	187
07/13/18 11:00 AM	22924	366	1.24	ND	ND	ND	ND	0.004	ND	ND	5.7	200
07/13/18 11:30 AM	22876	366	1.24	ND	ND	ND	ND	0.004	ND	ND	6.0	202
07/13/18 12:00 PM	22940	366	1.23	ND	ND	ND	ND	0.004	ND	ND	6.8	210
07/13/18 12:30 PM	22666	368	1.24	ND	ND	ND	ND	0.004	ND	ND	7.7	177
07/13/18 01:00 PM	22466	370	1.24	ND	ND	ND	ND	0.005	ND	ND	8.2	177
07/13/18 01:30 PM	22411	370	1.24	ND	ND	ND	ND	0.005	ND	ND	8.2	157
07/13/18 02:00 PM	22911	369	1.23	ND	ND	ND	ND	0.004	ND	ND	9.3	169
07/13/18 02:30 PM	23021	370	1.24	ND	ND	ND	ND	0.005	ND	ND	8.7	169
07/13/18 03:00 PM	23038	372	1.23	ND	ND	ND	ND	0.006	ND	ND	11.1	147
07/13/18 03:30 PM	23358	372	1.23	ND	ND	ND	ND	0.005	ND	ND	11.4	153
07/13/18 04:00 PM	23067	371	1.23	ND	ND	ND	ND	0.005	ND	ND	10.9	151
07/13/18 04:30 PM	23640	372	1.22	ND	ND	ND	ND	0.005	ND	ND	13.2	146
07/13/18 05:00 PM	23555	373	1.23	ND	ND	ND	ND	0.005	ND	ND	14.0	150
07/13/18 05:30 PM	23459	372	1.23	ND	ND	ND	ND	0.005	ND	ND	13.7	146
07/13/18 06:00 PM	24067	370	1.22	ND	ND	ND	ND	0.004	ND	ND	12.6	145
07/13/18 06:30 PM	24542	369	1.22	ND	ND	ND	ND	0.004	ND	ND	12.7	142
07/13/18 07:00 PM	24151	370	1.22	ND	ND	ND	ND	0.004	ND	ND	12.8	141
07/13/18 07:30 PM	23787	367	1.22	ND	ND	ND	ND	0.004	ND	ND	13.8	141
07/13/18 08:00 PM	23528	367	1.23	ND	ND	ND	ND	0.003	ND	ND	10.5	138
07/13/18 08:30 PM	24180	366	1.22	ND	ND	ND	ND	0.003	ND	ND	11.7	138
07/13/18 09:00 PM	24118	366	1.23	ND	ND	ND	ND	0.003	ND	ND	10.9	142
07/13/18 09:30 PM	24016	371	1.24	ND	ND	ND	ND	0.003	ND	ND	10.5	153
07/13/18 10:00 PM	24383	366	1.22	ND	ND	ND	ND	0.002	ND	ND	11.3	143
07/13/18 10:30 PM	24311	371	1.24	ND	ND	ND	ND	0.002	ND	ND	10.8	154
07/13/18 11:00 PM	24260	367	1.23	ND	0.013	ND	ND	0.002	ND	ND	10.6	162
07/13/18 11:30 PM	24008	367	1.23	ND	0.013	ND	ND	0.002	ND	ND	10.6	166
07/14/18 12:00 AM	23686	366	1.23	ND	0.012	ND	ND	0.002	ND	ND	10.5	173

## Daily Processed Summary (Average, Maximum)

Average	23641	368	1.24	BDL	0.001	0.001	0.000	0.002	0.000	BDL	8.4	164
Maximum Value	24542	373	1.27	BDL	0.013	0.012	0.001	0.006	0.002	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/14/18 12:30 AM	24040	366	1.23	ND	0.003	ND	ND	0.002	ND	ND	11.0	176
07/14/18 01:00 AM	24218	366	1.23	ND	0.003	ND	ND	0.002	ND	ND	8.5	181
07/14/18 01:30 AM	24417	366	1.23	ND	ND	ND	ND	0.001	ND	ND	8.2	185
07/14/18 02:00 AM	24073	366	1.23	ND	ND	0.002	ND	ND	ND	ND	8.8	183
07/14/18 02:30 AM	24204	366	1.24	ND	ND	ND	0.001	ND	ND	ND	7.9	177
07/14/18 03:00 AM	24026	366	1.24	ND	ND	ND	ND	ND	ND	ND	6.7	180
07/14/18 03:30 AM	24163	367	1.26	ND	ND	ND	ND	0.000	ND	ND	6.5	181
07/14/18 04:00 AM	24209	366	1.26	ND	ND	ND	ND	ND	ND	ND	6.4	180
07/14/18 04:30 AM	24114	366	1.27	ND	ND	ND	ND	0.000	ND	ND	6.8	179
07/14/18 05:00 AM	24277	366	1.27	ND	ND	ND	ND	ND	ND	ND	6.5	183
07/14/18 05:30 AM	24319	366	1.25	ND	ND	0.003	ND	0.000	ND	ND	6.7	181
07/14/18 06:00 AM	24449	365	1.25	ND	ND	ND	ND	ND	ND	ND	5.4	181
07/14/18 06:30 AM	24445	366	1.24	ND	ND	ND	ND	0.001	ND	ND	5.5	179
07/14/18 07:00 AM	23896	366	1.27	ND	ND	0.002	ND	ND	ND	ND	4.9	181
07/14/18 07:30 AM	24130	366	1.28	ND	ND	ND	0.001	0.000	ND	ND	4.5	182
07/14/18 08:00 AM	24524	366	1.28	ND	ND	ND	ND	0.001	0.001	ND	3.7	182
07/14/18 08:30 AM	24375	365	1.26	ND	ND	ND	0.005	0.001	0.001	ND	4.5	186
07/14/18 09:00 AM	23889	365	1.23	ND	ND	ND	ND	0.002	0.001	ND	5.5	194
07/14/18 09:30 AM	23772	365	1.23	ND	ND	ND	ND	0.002	0.002	ND	5.7	193
07/14/18 10:00 AM	24286	366	1.22	ND	ND	ND	ND	0.003	ND	ND	6.2	203
07/14/18 10:30 AM	24244	366	1.22	ND	ND	ND	0.008	0.004	ND	ND	6.6	194
07/14/18 11:00 AM	23614	366	1.23	ND	ND	ND	0.003	0.003	ND	ND	6.5	192
07/14/18 11:30 AM	23454	365	1.23	ND	ND	ND	ND	0.003	ND	ND	6.5	199
07/14/18 12:00 PM	22638	367	1.24	ND	ND	ND	ND	0.004	ND	ND	9.8	174
07/14/18 12:30 PM	22499	368	1.24	ND	ND	ND	ND	0.005	ND	ND	9.6	174
07/14/18 01:00 PM	22908	369	1.23	ND	ND	ND	ND	0.005	ND	ND	11.3	162
07/14/18 01:30 PM	23317	370	1.23	ND	ND	ND	ND	0.005	ND	ND	12.4	149
07/14/18 02:00 PM	22665	371	1.24	ND	ND	ND	ND	0.005	ND	ND	13.1	154
07/14/18 02:30 PM	22862	371	1.24	ND	ND	ND	ND	0.005	ND	ND	13.0	159
07/14/18 03:00 PM	23587	370	1.23	ND	ND	ND	ND	0.004	ND	ND	14.4	140
07/14/18 03:30 PM	24204	371	1.22	ND	ND	ND	ND	0.004	ND	ND	15.2	144
07/14/18 04:00 PM	24352	372	1.22	ND	ND	ND	ND	0.004	ND	ND	15.9	144
07/14/18 04:30 PM	24552	372	1.22	ND	ND	ND	ND	0.005	ND	ND	15.7	146
07/14/18 05:00 PM	24496	372	1.22	ND	ND	ND	ND	0.004	ND	ND	15.1	151
07/14/18 05:30 PM	24359	371	1.22	ND	ND	ND	ND	0.004	ND	ND	15.1	148
07/14/18 06:00 PM	24038	371	1.23	ND	ND	ND	ND	0.004	ND	ND	14.6	156
07/14/18 06:30 PM	24543	372	1.22	ND	ND	ND	ND	0.004	ND	ND	14.7	151
07/14/18 07:00 PM	23905	370	1.23	ND	ND	ND	ND	0.004	ND	ND	13.2	159
07/14/18 07:30 PM	23356	367	1.23	ND	ND	ND	ND	0.003	ND	ND	12.2	168
07/14/18 08:00 PM	23661	368	1.25	ND	ND	ND	ND	0.003	ND	ND	13.7	161
07/14/18 08:30 PM	23016	366	1.25	ND	ND	ND	ND	0.003	ND	ND	12.0	170
07/14/18 09:00 PM	23592	365	1.24	ND	ND	ND	ND	0.003	ND	ND	10.9	172
07/14/18 09:30 PM	23999	366	1.24	ND	ND	ND	ND	0.003	ND	ND	10.7	170
07/14/18 10:00 PM	23857	364	1.24	ND	0.008	ND	0.002	0.002	ND	ND	11.3	172
07/14/18 10:30 PM	24153	364	1.25	ND	ND	ND	ND	0.002	ND	ND	11.0	178
07/14/18 11:00 PM	24817	364	1.25	ND	ND	ND	ND	0.002	ND	ND	10.5	177
07/14/18 11:30 PM	24796	364	1.25	ND	ND	ND	ND	0.001	ND	ND	10.4	177
07/15/18 12:00 AM	24716	365	1.25	ND	ND	0.001	ND	ND	ND	ND	10.2	177

## Daily Processed Summary (Average, Maximum)

Average	23959	367	1.24	BDL	0.000	0.000	0.000	0.002	0.000	BDL	9.3	168
Maximum Value	24817	372	1.28	BDL	0.008	0.003	0.008	0.005	0.002	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/15/18 12:30 AM	24654	365	1.25	ND	ND	ND	ND	0.001	0.000	ND	9.4	177
07/15/18 01:00 AM	24831	365	1.25	ND	ND	ND	ND	ND	ND	ND	9.6	177
07/15/18 01:30 AM	24567	365	1.26	ND	ND	ND	ND	0.000	ND	ND	8.2	178
07/15/18 02:00 AM	24720	365	1.25	0.000	ND	ND	ND	ND	ND	ND	7.7	178
07/15/18 02:30 AM	24977	365	1.24	0.000	ND	ND	ND	ND	ND	ND	7.8	181
07/15/18 03:00 AM	25299	364	1.23	ND	ND	ND	ND	0.001	ND	ND	8.3	181
07/15/18 03:30 AM	25622	365	1.23	ND	ND	0.002	ND	ND	ND	ND	7.4	181
07/15/18 04:00 AM	25673	365	1.24	ND	ND	ND	ND	ND	ND	ND	7.7	180
07/15/18 04:30 AM	25485	365	1.26	ND	ND	ND	ND	ND	ND	ND	8.5	180
07/15/18 05:00 AM	25205	365	1.26	ND	ND	ND	0.001	ND	ND	ND	8.8	180
07/15/18 05:30 AM	25064	365	1.28	0.000	ND	ND	ND	0.000	ND	ND	7.3	175
07/15/18 06:00 AM	25069	366	1.29	ND	ND	ND	ND	ND	ND	ND	6.8	173
07/15/18 06:30 AM	25133	366	1.27	ND	ND	ND	ND	ND	ND	ND	6.2	177
07/15/18 07:00 AM	25068	366	1.32	ND	ND	0.001	ND	ND	ND	ND	6.5	178
07/15/18 07:30 AM	25283	366	1.32	ND	ND	ND	ND	0.000	ND	ND	6.2	176
07/15/18 08:00 AM	25373	366	1.28	ND	ND	ND	ND	ND	ND	ND	6.8	176
07/15/18 08:30 AM	25571	365	1.27	ND	ND	ND	ND	0.000	ND	ND	7.9	176
07/15/18 09:00 AM	25536	364	1.24	ND	ND	ND	ND	ND	ND	ND	7.9	186
07/15/18 09:30 AM	25386	364	1.22	ND	ND	ND	ND	ND	ND	ND	10.5	187
07/15/18 10:00 AM	24877	365	1.22	ND	ND	ND	ND	ND	ND	ND	10.8	185
07/15/18 10:30 AM	24211	364	1.22	ND	ND	ND	ND	ND	ND	ND	9.4	194
07/15/18 11:00 AM	24051	366	1.22	ND	ND	ND	ND	ND	ND	ND	10.5	189
07/15/18 11:30 AM	23909	366	1.22	ND	ND	ND	ND	0.001	ND	ND	10.4	199
07/15/18 12:00 PM	23838	366	1.22	ND	ND	ND	ND	0.000	ND	ND	9.6	201
07/15/18 12:30 PM	23629	366	1.22	ND	ND	ND	ND	0.000	ND	ND	10.2	200
07/15/18 01:00 PM	23057	367	1.23	ND	ND	ND	ND	ND	ND	ND	11.2	195
07/15/18 01:30 PM	22737	366	1.23	ND	ND	ND	ND	0.000	0.003	ND	11.6	191
07/15/18 02:00 PM	23591	366	1.22	ND	ND	ND	0.009	ND	ND	ND	13.1	174
07/15/18 02:30 PM	23154	366	1.22	ND	ND	ND	ND	ND	ND	ND	14.8	167
07/15/18 03:00 PM	23081	367	1.23	ND	ND	ND	ND	ND	0.001	ND	14.2	171
07/15/18 03:30 PM	23101	367	1.24	ND	ND	ND	ND	0.000	ND	ND	14.0	170
07/15/18 04:00 PM	22755	366	1.24	ND	ND	ND	0.001	0.000	ND	ND	14.6	166
07/15/18 04:30 PM	23166	368	1.24	ND	ND	ND	ND	0.000	ND	ND	14.2	161
07/15/18 05:00 PM	23395	367	1.23	ND	ND	ND	ND	ND	ND	ND	13.6	165
07/15/18 05:30 PM	23091	367	1.24	ND	ND	ND	ND	0.000	ND	ND	14.1	168
07/15/18 06:00 PM	23682	366	1.24	ND	ND	ND	ND	ND	ND	ND	13.6	172
07/15/18 06:30 PM	23242	365	1.24	ND	0.001	ND	ND	0.000	ND	ND	13.2	170
07/15/18 07:00 PM	23567	366	1.23	ND	ND	0.001	ND	ND	ND	ND	13.8	168
07/15/18 07:30 PM	23567	365	1.24	ND	ND	0.002	ND	0.000	ND	ND	14.1	169
07/15/18 08:00 PM	23697	364	1.23	ND	0.004	0.003	ND	ND	ND	ND	13.6	171
07/15/18 08:30 PM	23853	366	1.24	0.001	0.005	ND	ND	0.001	0.002	ND	13.6	164
07/15/18 09:00 PM	24212	367	1.24	ND	ND	0.001	ND	0.000	ND	ND	13.6	161
07/15/18 09:30 PM	24356	369	1.24	ND	ND	0.014	ND	ND	0.000	ND	13.9	160
07/15/18 10:00 PM	24020	370	1.24	ND	0.004	ND	ND	ND	ND	ND	13.9	160
07/15/18 10:30 PM	23913	366	1.24	ND	0.005	ND	ND	ND	ND	ND	14.5	167
07/15/18 11:00 PM	23679	364	1.27	ND	0.001	ND	ND	ND	ND	ND	13.6	170
07/15/18 11:30 PM	23915	364	1.24	ND	ND	ND	ND	ND	ND	ND	12.9	172
07/16/18 12:00 AM	24129	365	1.24	ND	ND	0.004	ND	ND	ND	ND	12.5	172

## Daily Processed Summary (Average, Maximum)

Average	24250	366	1.25	0.000	0.000	0.001	0.000	0.000	0.000	BDL	10.7	175
Maximum Value	25673	370	1.32	0.001	0.005	0.014	0.009	0.001	0.003	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/16/18 12:30 AM	24070	364	1.24	ND	ND	0.001	ND	ND	ND	ND	13.6	173
07/16/18 01:00 AM	24074	364	1.24	ND	ND	ND	ND	ND	ND	ND	11.9	175
07/16/18 01:30 AM	24314	363	1.24	ND	ND	ND	0.002	ND	ND	ND	11.9	176
07/16/18 02:00 AM	24240	363	1.25	ND	ND	ND	ND	ND	ND	ND	11.8	175
07/16/18 02:30 AM	24189	363	1.25	ND	ND	ND	ND	0.000	ND	ND	10.2	179
07/16/18 03:00 AM	24299	364	1.25	ND	ND	0.003	ND	0.000	ND	ND	9.7	179
07/16/18 03:30 AM	24409	364	1.26	ND	ND	0.002	ND	ND	ND	ND	8.7	174
07/16/18 04:00 AM	24361	364	1.26	ND	ND	ND	ND	ND	ND	ND	8.4	177
07/16/18 04:30 AM	24522	364	1.26	ND	ND	0.001	ND	ND	ND	ND	7.9	177
07/16/18 05:00 AM	24712	363	1.25	ND	ND	0.001	ND	ND	ND	ND	9.0	181
07/16/18 05:30 AM	24960	364	1.24	ND	ND	0.005	0.002	ND	ND	ND	7.4	184
07/16/18 06:00 AM	25061	364	1.25	ND	ND	0.001	ND	ND	ND	ND	6.3	181
07/16/18 06:30 AM	25015	364	1.24	ND	ND	0.002	ND	ND	ND	ND	6.1	184
07/16/18 07:00 AM	24985	364	1.24	ND	ND	ND	ND	0.000	ND	ND	6.6	183
07/16/18 07:30 AM	24987	364	1.25	ND	ND	ND	ND	0.000	ND	ND	6.3	179
07/16/18 08:00 AM	25087	364	1.28	ND	ND	ND	ND	ND	ND	ND	5.9	182
07/16/18 08:30 AM	25163	363	1.24	ND	ND	ND	ND	ND	ND	ND	6.7	187
07/16/18 09:00 AM	25180	364	1.24	ND	ND	ND	ND	ND	ND	ND	7.5	191
07/16/18 09:30 AM	25169	364	1.23	ND	ND	ND	ND	0.000	0.001	ND	8.5	191
07/16/18 10:00 AM	24938	364	1.23	ND	ND	ND	ND	ND	ND	ND	8.8	186
07/16/18 10:30 AM	24337	364	1.23	ND	ND	ND	ND	0.001	0.001	ND	9.6	185
07/16/18 11:00 AM	23861	365	1.24	ND	ND	ND	ND	ND	ND	ND	9.1	191
07/16/18 11:30 AM	24071	366	1.23	ND	ND	ND	ND	ND	ND	ND	9.3	198
07/16/18 12:00 PM	23959	365	1.23	ND	ND	ND	ND	ND	ND	ND	10.2	192
07/16/18 12:30 PM	23617	366	1.23	ND	ND	ND	ND	ND	0.001	ND	9.3	191
07/16/18 01:00 PM	22892	366	1.23	ND	ND	ND	ND	ND	ND	ND	10.4	208
07/16/18 01:30 PM	24881	345	1.18	ND	ND	ND	ND	ND	ND	ND	10.9	206
07/16/18 02:00 PM	22414	367	1.24	ND	ND	ND	ND	ND	ND	ND	11.4	206
07/16/18 02:30 PM	22495	367	1.24	ND	ND	ND	ND	ND	ND	ND	10.7	204
07/16/18 03:00 PM	22692	367	1.23	ND	ND	ND	ND	ND	ND	ND	10.0	203
07/16/18 03:30 PM	23148	368	1.23	ND	ND	ND	ND	ND	ND	ND	10.1	196
07/16/18 04:00 PM	22544	368	1.24	ND	ND	ND	ND	ND	ND	ND	8.9	196
07/16/18 04:30 PM	22842	367	1.23	ND	ND	ND	ND	ND	ND	ND	10.3	179
07/16/18 05:00 PM	23272	369	1.23	ND	ND	ND	ND	ND	ND	ND	11.7	166
07/16/18 05:30 PM	22587	368	1.24	ND	ND	ND	ND	ND	ND	ND	11.1	175
07/16/18 06:00 PM	21599	368	1.25	ND	ND	ND	ND	ND	ND	ND	12.0	164
07/16/18 06:30 PM	22356	367	1.24	ND	ND	ND	ND	ND	ND	ND	10.2	175
07/16/18 07:00 PM	23203	367	1.23	ND	ND	ND	ND	ND	ND	ND	9.9	165
07/16/18 07:30 PM	23411	366	1.24	ND	ND	ND	ND	ND	ND	ND	11.1	168
07/16/18 08:00 PM	23387	366	1.23	ND	ND	ND	ND	ND	ND	ND	10.3	171
07/16/18 08:30 PM	23538	364	1.23	ND	ND	ND	ND	ND	ND	ND	10.1	169
07/16/18 09:00 PM	23531	365	1.24	ND	ND	ND	ND	ND	ND	ND	9.8	167
07/16/18 09:30 PM	23615	367	1.25	ND	ND	ND	ND	ND	ND	ND	9.9	156
07/16/18 10:00 PM	23895	368	1.24	ND	ND	ND	ND	ND	ND	ND	8.7	150
07/16/18 10:30 PM	23836	366	1.24	ND	ND	ND	ND	ND	ND	ND	8.7	167
07/16/18 11:00 PM	23528	363	1.24	ND	ND	ND	ND	ND	ND	ND	9.4	178
07/16/18 11:30 PM	24041	363	1.24	ND	0.001	0.002	ND	ND	ND	ND	9.4	179
07/17/18 12:00 AM	24319	363	1.23	ND	ND	ND	ND	ND	ND	ND	9.9	180

## Daily Processed Summary (Average, Maximum)

Average	23908	365	1.24	BDL	0.000	0.000	0.000	0.000	0.000	BDL	9.2	181
Maximum Value	25180	369	1.28	BDL	0.001	0.005	0.002	0.001	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/17/18 12:30 AM	24327	363	1.23	ND	ND	ND	ND	ND	ND	ND	9.3	180
07/17/18 01:00 AM	24388	364	1.24	ND	ND	0.001	ND	ND	ND	ND	8.2	180
07/17/18 01:30 AM	24275	364	1.25	ND	ND	ND	ND	ND	ND	ND	7.7	179
07/17/18 02:00 AM	24374	363	1.24	ND	ND	0.002	0.002	0.000	ND	ND	8.3	181
07/17/18 02:30 AM	24489	363	1.24	ND	ND	0.001	ND	ND	ND	ND	7.3	181
07/17/18 03:00 AM	24587	363	1.25	ND	ND	ND	ND	0.000	ND	ND	6.5	182
07/17/18 03:30 AM	24542	363	1.25	ND	ND	ND	ND	0.000	ND	ND	7.1	183
07/17/18 04:00 AM	24551	363	1.25	ND	ND	ND	ND	ND	ND	ND	6.0	185
07/17/18 04:30 AM	24643	362	1.23	ND	ND	0.001	ND	ND	ND	ND	6.9	181
07/17/18 05:00 AM	24467	363	1.23	ND	ND	ND	ND	ND	0.002	ND	6.6	178
07/17/18 05:30 AM	24660	363	1.25	ND	ND	ND	ND	ND	ND	ND	6.9	180
07/17/18 06:00 AM	24702	364	1.26	ND	ND	ND	ND	ND	ND	ND	5.6	180
07/17/18 06:30 AM	24744	364	1.26	ND	ND	0.002	ND	ND	ND	ND	5.3	186
07/17/18 07:00 AM	24790	365	1.24	ND	ND	ND	ND	ND	ND	ND	5.0	181
07/17/18 07:30 AM	24880	365	1.24	ND	ND	ND	ND	ND	ND	ND	4.3	190
07/17/18 08:00 AM	25099	364	1.22	ND	ND	ND	ND	ND	ND	ND	5.3	210
07/17/18 08:30 AM	25167	364	1.23	ND	ND	ND	ND	0.000	0.001	ND	5.1	225
07/17/18 09:00 AM	25421	363	1.22	ND	ND	ND	ND	ND	ND	ND	4.8	255
07/17/18 09:30 AM	25650	366	1.23	ND	ND	ND	ND	0.000	0.001	ND	5.0	235
07/17/18 10:00 AM	25492	368	1.25	ND	ND	ND	ND	0.000	ND	ND	5.4	238
07/17/18 10:30 AM	25398	367	1.24	ND	ND	ND	ND	ND	ND	ND	5.2	237
07/17/18 11:00 AM	24825	367	1.23	ND	ND	ND	ND	ND	ND	ND	5.5	200
07/17/18 11:30 AM	23495	368	1.23	ND	ND	ND	ND	0.001	0.001	ND	7.5	193
07/17/18 12:00 PM	22976	367	1.24	ND	ND	ND	ND	0.001	ND	ND	7.8	183
07/17/18 12:30 PM	22649	367	1.24	ND	ND	ND	ND	0.000	ND	ND	7.2	189
07/17/18 01:00 PM	21440	368	1.25	ND	ND	0.001	ND	ND	ND	ND	7.8	190
07/17/18 01:30 PM	21405	368	1.25	ND	ND	ND	ND	ND	ND	ND	8.0	196
07/17/18 02:00 PM	21988	368	1.24	ND	ND	ND	ND	ND	ND	ND	7.9	205
07/17/18 02:30 PM	21872	370	1.24	ND	ND	ND	ND	0.001	ND	ND	7.7	181
07/17/18 03:00 PM	21888	371	1.25	ND	ND	ND	ND	0.000	0.001	ND	8.7	154
07/17/18 03:30 PM	22208	371	1.24	ND	ND	0.003	ND	ND	ND	ND	9.3	174
07/17/18 04:00 PM	22353	372	1.25	ND	ND	ND	ND	ND	ND	ND	11.8	159
07/17/18 04:30 PM	22277	372	1.25	ND	ND	ND	ND	0.000	ND	ND	11.1	166
07/17/18 05:00 PM	22142	371	1.24	0.001	ND	ND	ND	ND	ND	ND	12.0	168
07/17/18 05:30 PM	21916	370	1.25	ND	ND	ND	ND	ND	ND	ND	12.4	164
07/17/18 06:00 PM	21972	369	1.24	ND	ND	ND	ND	ND	ND	ND	12.3	168
07/17/18 06:30 PM	22188	367	1.24	ND	ND	0.002	ND	ND	ND	ND	11.3	173
07/17/18 07:00 PM	21270	367	1.25	ND	ND	ND	ND	ND	ND	ND	10.4	181
07/17/18 07:30 PM	21770	366	1.25	ND	ND	ND	ND	ND	ND	ND	9.9	179
07/17/18 08:00 PM	22482	366	1.24	ND	ND	0.002	ND	ND	ND	ND	10.5	176
07/17/18 08:30 PM	22790	365	1.24	ND	ND	ND	ND	0.000	ND	ND	10.0	177
07/17/18 09:00 PM	22913	364	1.25	ND	ND	ND	ND	ND	ND	ND	9.3	179
07/17/18 09:30 PM	23206	364	1.24	ND	ND	0.004	ND	ND	ND	ND	8.9	181
07/17/18 10:00 PM	24063	364	1.23	ND	ND	ND	ND	ND	ND	ND	9.0	183
07/17/18 10:30 PM	23723	363	1.23	ND	ND	0.003	ND	ND	ND	ND	9.2	178
07/17/18 11:00 PM	24485	364	1.23	ND	ND	0.004	ND	ND	ND	ND	7.5	180
07/17/18 11:30 PM	24758	364	1.22	ND	ND	0.007	ND	0.001	ND	ND	6.8	183
07/18/18 12:00 AM	24483	365	1.23	ND	ND	ND	ND	0.000	ND	ND	6.3	181

## Daily Processed Summary (Average, Maximum)

Average	23629	366	1.24	0.000	BDL	0.001	0.000	0.000	0.000	BDL	7.5	183
Maximum Value	25650	372	1.26	0.001	BDL	0.007	0.002	0.001	0.002	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/18/18 12:30 AM	24562	364	1.23	0.001	ND	0.002	ND	ND	ND	ND	6.4	179
07/18/18 01:00 AM	24570	364	1.23	ND	ND	0.002	ND	ND	ND	ND	6.8	178
07/18/18 01:30 AM	24595	363	1.22	ND	ND	0.002	ND	ND	ND	ND	6.6	178
07/18/18 02:00 AM	24542	363	1.23	ND	ND	0.002	ND	0.000	ND	ND	7.8	182
07/18/18 02:30 AM	24882	363	1.23	ND	ND	ND	ND	ND	ND	ND	7.6	182
07/18/18 03:00 AM	24988	362	1.22	ND	ND	ND	ND	ND	ND	ND	7.5	184
07/18/18 03:30 AM	25041	363	1.22	ND	ND	0.003	0.002	ND	ND	ND	6.6	184
07/18/18 04:00 AM	25178	363	1.22	ND	ND	ND	ND	0.000	ND	ND	8.6	182
07/18/18 04:30 AM	25303	363	1.22	0.001	ND	ND	ND	ND	ND	ND	7.7	186
07/18/18 05:00 AM	25471	363	1.22	ND	ND	ND	ND	ND	ND	ND	7.9	205
07/18/18 05:30 AM	25029	364	1.23	ND	ND	ND	ND	0.000	ND	ND	5.6	215
07/18/18 06:00 AM	24903	365	1.24	ND	ND	ND	ND	ND	ND	ND	4.5	219
07/18/18 06:30 AM	25036	363	1.23	ND	ND	ND	ND	ND	ND	ND	6.7	208
07/18/18 07:00 AM	25151	364	1.27	ND	ND	ND	ND	ND	ND	ND	5.5	213
07/18/18 07:30 AM	25036	364	1.26	ND	ND	ND	ND	ND	ND	ND	5.3	216
07/18/18 08:00 AM	24968	364	1.24	ND	ND	0.002	ND	ND	ND	ND	7.0	212
07/18/18 08:30 AM	25139	364	1.23	ND	ND	ND	ND	ND	ND	ND	8.1	209
07/18/18 09:00 AM	25124	365	1.23	ND	ND	ND	ND	0.000	ND	ND	7.9	203
07/18/18 09:30 AM	24674	364	1.23	ND	ND	ND	ND	0.000	ND	ND	10.9	202
07/18/18 10:00 AM	24514	365	1.22	ND	ND	ND	ND	ND	ND	ND	10.8	201
07/18/18 10:30 AM	23977	365	1.23	ND	ND	ND	ND	ND	ND	ND	10.6	197
07/18/18 11:00 AM	23424	365	1.23	ND	ND	ND	ND	ND	ND	ND	11.5	197
07/18/18 11:30 AM	22599	365	1.24	ND	ND	ND	ND	0.000	ND	ND	10.4	197
07/18/18 12:00 PM	22730	366	1.24	ND	ND	ND	ND	ND	ND	ND	10.0	186
07/18/18 12:30 PM	22490	367	1.24	ND	ND	ND	ND	ND	0.001	ND	9.9	187
07/18/18 01:00 PM	22867	366	1.24	ND	ND	ND	ND	ND	ND	ND	9.4	188
07/18/18 01:30 PM	23276	366	1.22	ND	ND	ND	ND	ND	ND	ND	10.2	186
07/18/18 02:00 PM	22733	366	1.23	ND	ND	ND	ND	0.000	ND	ND	9.4	191
07/18/18 02:30 PM	22813	367	1.23	ND	ND	ND	ND	ND	ND	ND	9.4	185
07/18/18 03:00 PM	22633	367	1.23	ND	ND	ND	ND	ND	ND	ND	9.3	193
07/18/18 03:30 PM	23113	367	1.22	ND	ND	ND	ND	ND	ND	ND	9.8	188
07/18/18 04:00 PM	23044	367	1.22	ND	ND	ND	ND	ND	ND	ND	9.7	183
07/18/18 04:30 PM	22891	367	1.22	ND	ND	ND	ND	ND	ND	ND	10.5	187
07/18/18 05:00 PM	22754	366	1.23	ND	ND	ND	0.001	ND	ND	ND	10.1	184
07/18/18 05:30 PM	23739	364	1.23	ND	ND	ND	ND	ND	ND	ND	12.0	172
07/18/18 06:00 PM	23944	364	1.23	ND	ND	ND	ND	ND	ND	ND	12.1	170
07/18/18 06:30 PM	24593	365	1.23	ND	ND	ND	ND	ND	ND	ND	12.3	174
07/18/18 07:00 PM	24913	364	1.22	ND	ND	ND	ND	ND	ND	ND	12.9	174
07/18/18 07:30 PM	24980	364	1.22	ND	ND	ND	ND	ND	ND	ND	11.2	179
07/18/18 08:00 PM	24884	364	1.22	ND	ND	ND	ND	ND	ND	ND	10.5	173
07/18/18 08:30 PM	24796	364	1.21	ND	ND	ND	ND	ND	ND	ND	10.8	178
07/18/18 09:00 PM	24813	363	1.21	ND	ND	ND	ND	ND	ND	ND	10.6	176
07/18/18 09:30 PM	25021	363	1.21	ND	ND	ND	ND	ND	ND	ND	10.9	180
07/18/18 10:00 PM	25219	362	1.20	ND	ND	ND	ND	ND	ND	ND	10.6	178
07/18/18 10:30 PM	25397	363	1.21	ND	ND	ND	ND	ND	ND	ND	10.2	176
07/18/18 11:00 PM	25264	362	1.21	ND	ND	ND	ND	ND	ND	ND	10.4	178
07/18/18 11:30 PM	25429	362	1.25	ND	ND	ND	ND	ND	ND	ND	9.0	179
07/19/18 12:00 AM	25303	362	1.22	ND	ND	ND	ND	ND	ND	ND	9.6	179

## Daily Processed Summary (Average, Maximum)

Average	24341	364	1.23	0.000	BDL	0.000	0.000	0.000	0.000	BDL	8.9	187
Maximum Value	25471	367	1.27	0.001	BDL	0.003	0.002	0.000	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/19/18 12:30 AM	25515	362	1.35	ND	ND	ND	ND	ND	ND	ND	8.4	180
07/19/18 01:00 AM	25524	362	1.22	ND	ND	ND	ND	ND	ND	ND	8.1	179
07/19/18 01:30 AM	25643	363	1.24	ND	ND	ND	ND	ND	ND	ND	8.9	177
07/19/18 02:00 AM	25698	362	1.22	ND	ND	ND	ND	ND	ND	ND	8.9	178
07/19/18 02:30 AM	25486	361	1.23	ND	ND	ND	ND	ND	ND	ND	9.1	178
07/19/18 03:00 AM	25384	361	1.23	ND	ND	ND	ND	ND	ND	ND	8.3	179
07/19/18 03:30 AM	25626	361	1.22	ND	ND	ND	ND	ND	ND	ND	8.5	181
07/19/18 04:00 AM	25541	362	1.22	ND	ND	ND	ND	ND	ND	ND	8.4	181
07/19/18 04:30 AM	25451	361	1.22	ND	ND	ND	ND	ND	ND	ND	8.9	184
07/19/18 05:00 AM	25279	361	1.22	ND	ND	ND	ND	ND	ND	ND	8.1	187
07/19/18 05:30 AM	24872	361	1.22	ND	ND	ND	ND	ND	ND	ND	8.1	199
07/19/18 06:00 AM	24753	361	1.22	ND	ND	ND	ND	ND	ND	ND	8.3	206
07/19/18 06:30 AM	25029	362	1.22	ND	ND	ND	ND	ND	ND	ND	6.9	207
07/19/18 07:00 AM	24974	362	1.23	ND	ND	ND	ND	ND	ND	ND	7.3	201
07/19/18 07:30 AM	24733	362	1.22	ND	ND	ND	ND	ND	ND	ND	8.2	200
07/19/18 08:00 AM	24734	362	1.23	ND	ND	ND	ND	ND	ND	ND	8.9	200
07/19/18 08:30 AM	24931	362	1.22	ND	ND	ND	ND	ND	ND	ND	10.3	203
07/19/18 09:00 AM	24622	362	1.22	ND	ND	ND	ND	ND	ND	ND	9.8	203
07/19/18 09:30 AM	24503	363	1.22	ND	ND	ND	ND	ND	ND	ND	11.3	205
07/19/18 10:00 AM	24506	363	1.22	ND	ND	ND	ND	ND	ND	ND	9.8	201
07/19/18 10:30 AM	24100	364	1.22	ND	ND	ND	ND	ND	ND	ND	11.7	197
07/19/18 11:00 AM	23998	364	1.22	ND	ND	ND	ND	ND	ND	ND	11.6	196
07/19/18 11:30 AM	24068	364	1.21	ND	ND	ND	ND	ND	ND	ND	11.5	191
07/19/18 12:00 PM	24156	364	1.21	ND	ND	ND	ND	ND	ND	ND	12.4	191
07/19/18 12:30 PM	24148	366	1.21	ND	ND	ND	ND	ND	ND	ND	12.4	188
07/19/18 01:00 PM	24120	365	1.21	ND	ND	ND	ND	ND	ND	ND	11.9	188
07/19/18 01:30 PM	24050	366	1.21	0.001	ND	ND	ND	0.000	ND	ND	8.8	169
07/19/18 02:00 PM	23929	367	1.21	0.001	ND	ND	ND	ND	ND	ND	5.6	43
07/19/18 02:30 PM	23753	366	1.21	ND	ND	ND	ND	ND	ND	ND	4.2	169
07/19/18 03:00 PM	22881	366	1.22	ND	ND	ND	ND	ND	ND	ND	10.6	185
07/19/18 03:30 PM	22397	366	1.23	ND	ND	ND	ND	ND	0.001	ND	11.5	190
07/19/18 04:00 PM	23083	366	1.22	ND	ND	ND	ND	ND	ND	ND	11.2	190
07/19/18 04:30 PM	22900	366	1.22	ND	ND	ND	ND	0.000	ND	ND	11.3	191
07/19/18 05:00 PM	23569	366	1.22	0.001	ND	ND	ND	ND	ND	ND	11.6	184
07/19/18 05:30 PM	24342	367	1.21	0.000	ND	0.002	ND	ND	ND	ND	13.4	171
07/19/18 06:00 PM	24979	368	1.21	ND	ND	ND	ND	ND	ND	ND	12.9	167
07/19/18 06:30 PM	24891	366	1.21	ND	ND	0.003	0.002	ND	ND	ND	13.6	172
07/19/18 07:00 PM	24964	364	1.20	ND	ND	ND	ND	ND	ND	ND	14.2	175
07/19/18 07:30 PM	24985	364	1.21	ND	ND	0.004	ND	ND	ND	ND	13.1	172
07/19/18 08:00 PM	24788	364	1.22	ND	ND	ND	ND	0.000	ND	ND	13.5	175
07/19/18 08:30 PM	24743	363	1.28	ND	ND	0.002	ND	0.000	ND	ND	12.4	178
07/19/18 09:00 PM	25105	362	1.22	ND	ND	0.002	ND	ND	ND	ND	11.8	176
07/19/18 09:30 PM	25313	361	1.20	ND	ND	0.002	ND	ND	0.000	ND	12.5	174
07/19/18 10:00 PM	25558	361	1.22	ND	ND	ND	ND	ND	ND	ND	10.9	174
07/19/18 10:30 PM	25575	361	1.21	ND	ND	ND	ND	ND	ND	ND	10.9	178
07/19/18 11:00 PM	25447	361	1.22	ND	ND	0.001	0.001	ND	ND	ND	9.2	179
07/19/18 11:30 PM	25317	361	1.24	ND	ND	0.001	ND	ND	ND	ND	9.4	177
07/20/18 12:00 AM	25224	362	1.25	ND	ND	0.002	ND	ND	ND	ND	8.5	180

## Daily Processed Summary (Average, Maximum)

Average	24691	363	1.22	0.000	BDL	0.000	0.000	0.000	0.000	BDL	9.8	184
Maximum Value	25698	368	1.35	0.001	BDL	0.004	0.002	0.000	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/20/18 12:30 AM	25508	362	1.37	ND	ND	ND	ND	ND	ND	ND	8.1	179
07/20/18 01:00 AM	25457	362	1.37	ND	ND	0.002	ND	ND	ND	ND	7.7	179
07/20/18 01:30 AM	25561	361	1.23	ND	ND	0.004	ND	ND	ND	ND	7.8	180
07/20/18 02:00 AM	25802	361	1.22	ND	ND	ND	0.002	ND	ND	ND	7.6	180
07/20/18 02:30 AM	25891	361	1.22	ND	ND	ND	0.002	0.001	ND	ND	8.5	181
07/20/18 03:00 AM	25902	361	1.21	ND	ND	0.006	ND	ND	ND	ND	8.5	184
07/20/18 03:30 AM	25831	361	1.21	0.000	ND	ND	ND	0.000	ND	ND	9.3	184
07/20/18 04:00 AM	25525	361	1.21	ND	ND	ND	ND	0.000	ND	ND	9.4	185
07/20/18 04:30 AM	25383	361	1.21	0.000	ND	ND	ND	ND	ND	ND	9.1	185
07/20/18 05:00 AM	25314	361	1.21	ND	ND	0.002	ND	0.001	ND	ND	7.6	186
07/20/18 05:30 AM	25098	361	1.22	ND	ND	ND	ND	0.000	0.001	ND	6.2	190
07/20/18 06:00 AM	25158	362	1.22	ND	ND	0.004	0.001	ND	ND	ND	5.5	211
07/20/18 06:30 AM	25066	362	1.22	ND	ND	0.002	ND	ND	ND	ND	5.7	215
07/20/18 07:00 AM	25029	362	1.22	ND	ND	ND	ND	ND	ND	ND	4.3	203
07/20/18 07:30 AM	25126	362	1.22	ND	ND	ND	ND	ND	ND	ND	4.0	203
07/20/18 08:00 AM	25376	362	1.21	ND	ND	ND	ND	0.000	ND	ND	4.4	207
07/20/18 08:30 AM	25463	362	1.21	ND	ND	ND	0.002	ND	0.001	ND	7.5	207
07/20/18 09:00 AM	25564	363	1.21	ND	ND	ND	ND	0.000	0.002	ND	8.2	196
07/20/18 09:30 AM	25579	364	1.21	ND	ND	ND	ND	0.000	ND	ND	8.5	205
07/20/18 10:00 AM	24597	363	1.21	0.000	ND	ND	ND	0.000	ND	ND	11.2	197
07/20/18 10:30 AM	24256	364	1.21	ND	ND	ND	ND	ND	ND	ND	11.9	200
07/20/18 11:00 AM	24082	365	1.27	ND	ND	ND	ND	ND	ND	ND	12.3	201
07/20/18 11:30 AM	23785	365	1.37	0.000	ND	0.007	ND	0.000	ND	ND	11.3	196
07/20/18 12:00 PM	23515	366	1.29	ND	ND	0.004	ND	ND	0.000	ND	9.9	192
07/20/18 12:30 PM	23834	366	1.26	ND	ND	ND	ND	0.000	ND	ND	10.2	185
07/20/18 01:00 PM	23591	367	1.22	ND	ND	ND	ND	ND	ND	ND	10.6	190
07/20/18 01:30 PM	23864	367	1.21	ND	ND	0.001	ND	ND	ND	ND	11.2	183
07/20/18 02:00 PM	22949	367	1.22	0.000	ND	0.002	ND	ND	ND	ND	11.1	190
07/20/18 02:30 PM	22579	367	1.22	0.001	ND	ND	ND	0.000	ND	ND	10.4	187
07/20/18 03:00 PM	22474	368	1.22	ND	ND	ND	ND	ND	ND	ND	10.6	188
07/20/18 03:30 PM	22143	368	1.23	ND	ND	0.002	ND	ND	ND	ND	10.2	199
07/20/18 04:00 PM	21927	367	1.23	ND	ND	ND	ND	ND	ND	ND	10.5	204
07/20/18 04:30 PM	23150	369	1.22	ND	ND	ND	ND	ND	0.000	ND	10.8	174
07/20/18 05:00 PM	23393	373	1.24	ND	ND	ND	ND	ND	ND	ND	13.4	160
07/20/18 05:30 PM	23514	367	1.24	ND	ND	ND	ND	ND	ND	ND	13.4	169
07/20/18 06:00 PM	23121	365	1.24	ND	ND	ND	ND	ND	ND	ND	12.4	171
07/20/18 06:30 PM	23510	366	1.25	ND	ND	ND	0.001	0.000	ND	ND	11.0	173
07/20/18 07:00 PM	23613	365	1.26	ND	ND	ND	ND	ND	ND	ND	10.0	174
07/20/18 07:30 PM	23387	364	1.30	0.001	ND	ND	0.001	ND	ND	ND	10.1	178
07/20/18 08:00 PM	24185	365	1.24	ND	ND	ND	ND	ND	ND	ND	9.6	177
07/20/18 08:30 PM	24789	364	1.21	ND	ND	0.010	ND	ND	ND	ND	9.3	175
07/20/18 09:00 PM	25204	363	1.21	0.001	ND	0.018	ND	ND	ND	ND	10.4	174
07/20/18 09:30 PM	25448	362	1.21	ND	ND	ND	ND	ND	ND	ND	11.3	173
07/20/18 10:00 PM	25610	362	1.20	ND	ND	ND	ND	0.000	ND	ND	10.2	175
07/20/18 10:30 PM	25729	362	1.20	ND	ND	ND	ND	ND	ND	ND	11.3	171
07/20/18 11:00 PM	25818	362	1.20	ND	ND	ND	ND	0.000	ND	ND	12.3	173
07/20/18 11:30 PM	25818	361	1.21	ND	ND	ND	ND	ND	ND	ND	10.6	179
07/21/18 12:00 AM	25823	361	1.34	0.000	ND	ND	ND	ND	ND	ND	9.9	178

## Daily Processed Summary (Average, Maximum)

Average	24570	364	1.24	0.000	BDL	0.001	0.000	0.000	0.000	BDL	9.3	185
Maximum Value	25902	373	1.37	0.001	BDL	0.018	0.002	0.001	0.002	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/21/18 12:30 AM	25785	362	1.24	ND	ND	ND	ND	0.000	ND	ND	9.1	180
07/21/18 01:00 AM	25783	362	1.23	ND	ND	ND	ND	0.001	ND	ND	9.7	181
07/21/18 01:30 AM	25949	362	1.23	ND	ND	ND	ND	ND	ND	ND	9.3	180
07/21/18 02:00 AM	26150	361	1.22	ND	ND	ND	ND	ND	ND	ND	8.2	181
07/21/18 02:30 AM	25974	361	1.23	ND	ND	ND	ND	ND	ND	ND	6.8	179
07/21/18 03:00 AM	25681	361	1.22	ND	ND	ND	ND	ND	ND	ND	7.1	183
07/21/18 03:30 AM	25709	361	1.21	ND	ND	ND	ND	ND	ND	ND	6.9	181
07/21/18 04:00 AM	25748	362	1.21	0.000	ND	ND	ND	0.000	ND	ND	6.5	183
07/21/18 04:30 AM	25620	361	1.22	ND	ND	ND	ND	ND	ND	ND	6.9	181
07/21/18 05:00 AM	25616	361	1.21	ND	ND	ND	ND	ND	ND	ND	7.1	183
07/21/18 05:30 AM	25634	361	1.21	ND	ND	ND	ND	0.000	ND	ND	7.0	202
07/21/18 06:00 AM	25505	363	1.22	ND	ND	0.001	ND	ND	ND	ND	5.4	226
07/21/18 06:30 AM	25372	363	1.22	ND	ND	ND	ND	0.000	ND	0.008	4.2	219
07/21/18 07:00 AM	25484	363	1.23	ND	ND	ND	0.002	ND	ND	ND	4.1	215
07/21/18 07:30 AM	25422	363	1.22	ND	ND	ND	0.001	ND	0.000	ND	4.3	216
07/21/18 08:00 AM	25376	363	1.22	ND	ND	ND	ND	ND	ND	ND	4.8	208
07/21/18 08:30 AM	25288	362	1.22	ND	ND	ND	ND	0.000	0.001	ND	4.7	200
07/21/18 09:00 AM	25468	364	1.21	ND	ND	ND	ND	ND	ND	ND	6.4	201
07/21/18 09:30 AM	25443	365	1.21	ND	ND	ND	ND	ND	0.001	ND	7.3	204
07/21/18 10:00 AM	25198	365	1.21	ND	ND	ND	ND	0.000	ND	ND	6.5	212
07/21/18 10:30 AM	24760	364	1.22	ND	ND	ND	ND	ND	ND	ND	6.1	233
07/21/18 11:00 AM	23956	365	1.22	ND	ND	ND	ND	ND	ND	ND	5.5	239
07/21/18 11:30 AM	23924	366	1.22	ND	ND	ND	ND	0.000	ND	ND	7.4	194
07/21/18 12:00 PM	23798	366	1.23	ND	ND	0.002	ND	ND	ND	ND	8.9	183
07/21/18 12:30 PM	23333	367	1.23	ND	ND	ND	ND	ND	ND	ND	7.4	189
07/21/18 01:00 PM	23316	367	1.23	ND	ND	ND	ND	ND	ND	ND	8.4	188
07/21/18 01:30 PM	22663	367	1.23	ND	ND	ND	ND	0.000	ND	ND	9.1	186
07/21/18 02:00 PM	22968	367	1.22	ND	ND	ND	ND	ND	ND	ND	9.0	186
07/21/18 02:30 PM	22383	367	1.23	ND	ND	ND	ND	ND	ND	ND	8.5	191
07/21/18 03:00 PM	22228	368	1.23	ND	ND	ND	ND	ND	ND	ND	8.6	188
07/21/18 03:30 PM	22368	368	1.23	ND	ND	ND	ND	ND	ND	ND	8.8	192
07/21/18 04:00 PM	22450	368	1.23	ND	ND	ND	ND	ND	ND	ND	9.6	195
07/21/18 04:30 PM	22801	368	1.22	ND	ND	ND	ND	ND	ND	ND	9.7	192
07/21/18 05:00 PM	23666	368	1.21	ND	ND	ND	ND	0.000	0.000	ND	10.3	192
07/21/18 05:30 PM	23926	367	1.21	ND	ND	ND	ND	ND	ND	ND	9.8	194
07/21/18 06:00 PM	23634	366	1.22	ND	ND	ND	ND	ND	ND	ND	10.3	186
07/21/18 06:30 PM	23546	366	1.23	ND	ND	ND	ND	ND	ND	ND	10.3	181
07/21/18 07:00 PM	23675	365	1.23	ND	ND	ND	0.001	ND	ND	ND	11.0	171
07/21/18 07:30 PM	23398	364	1.23	ND	ND	ND	ND	ND	ND	ND	11.4	175
07/21/18 08:00 PM	24212	365	1.22	ND	ND	0.002	ND	ND	ND	ND	10.4	175
07/21/18 08:30 PM	24527	364	1.21	ND	ND	ND	ND	ND	ND	ND	10.1	178
07/21/18 09:00 PM	24553	363	1.22	ND	ND	ND	ND	ND	ND	ND	9.9	177
07/21/18 09:30 PM	24777	363	1.21	ND	0.002	ND	ND	ND	ND	ND	10.2	178
07/21/18 10:00 PM	25016	362	1.22	ND	ND	ND	ND	ND	0.001	ND	10.1	181
07/21/18 10:30 PM	25089	362	1.21	0.000	ND	ND	ND	ND	0.002	ND	9.2	182
07/21/18 11:00 PM	25521	362	1.22	ND	ND	0.001	ND	ND	0.000	ND	8.7	183
07/21/18 11:30 PM	25426	363	1.22	ND	ND	0.002	ND	ND	ND	ND	9.3	181
07/22/18 12:00 AM	25538	362	1.27	ND	ND	ND	ND	ND	ND	ND	9.0	180

## Daily Processed Summary (Average, Maximum)

Average	24576	364	1.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.9	188
Maximum Value	26150	368	1.27	0.000	0.002	0.002	0.002	0.001	0.002	0.008		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/22/18 12:30 AM	25907	362	1.39	ND	ND	0.004	ND	ND	ND	ND	8.5	181
07/22/18 01:00 AM	26001	362	1.21	ND	ND	ND	ND	ND	ND	ND	9.6	182
07/22/18 01:30 AM	26284	361	1.20	ND	ND	ND	ND	ND	ND	ND	8.7	186
07/22/18 02:00 AM	26393	361	1.19	ND	ND	ND	ND	ND	ND	ND	9.2	188
07/22/18 02:30 AM	26385	361	1.19	ND	ND	ND	ND	ND	ND	ND	8.6	187
07/22/18 03:00 AM	26350	361	1.19	ND	ND	0.002	ND	ND	ND	ND	8.7	191
07/22/18 03:30 AM	26355	361	1.19	ND	ND	ND	ND	ND	ND	ND	9.8	200
07/22/18 04:00 AM	26296	362	1.20	ND	ND	0.001	ND	ND	ND	ND	7.9	212
07/22/18 04:30 AM	26306	362	1.21	ND	ND	0.002	ND	ND	ND	ND	7.3	217
07/22/18 05:00 AM	26024	361	1.21	ND	ND	0.002	ND	0.000	0.000	ND	9.7	211
07/22/18 05:30 AM	25883	362	1.21	ND	ND	0.001	ND	ND	0.000	ND	8.6	215
07/22/18 06:00 AM	25875	362	1.21	ND	ND	0.001	ND	ND	ND	ND	6.2	216
07/22/18 06:30 AM	25700	363	1.22	ND	ND	ND	ND	ND	ND	ND	4.3	217
07/22/18 07:00 AM	25275	363	1.22	ND	ND	ND	ND	ND	ND	ND	3.9	209
07/22/18 07:30 AM	25109	363	1.24	ND	ND	0.001	ND	ND	ND	ND	5.0	209
07/22/18 08:00 AM	25401	363	1.24	0.000	ND	ND	ND	ND	ND	ND	5.7	214
07/22/18 08:30 AM	25496	363	1.22	ND	ND	ND	ND	ND	ND	ND	8.1	210
07/22/18 09:00 AM	25579	364	1.23	ND	ND	ND	0.003	ND	ND	ND	7.0	222
07/22/18 09:30 AM	25350	365	1.23	ND	ND	ND	ND	ND	0.001	ND	7.5	223
07/22/18 10:00 AM	24813	364	1.24	ND	ND	ND	ND	0.001	ND	ND	7.2	227
07/22/18 10:30 AM	23937	366	1.23	ND	ND	ND	ND	ND	0.000	ND	8.3	196
07/22/18 11:00 AM	23835	366	1.23	ND	ND	ND	ND	0.000	ND	ND	8.0	191
07/22/18 11:30 AM	23636	366	1.23	ND	ND	ND	ND	0.000	ND	ND	8.3	189
07/22/18 12:00 PM	23260	366	1.23	ND	ND	ND	ND	ND	ND	ND	9.6	189
07/22/18 12:30 PM	22974	366	1.22	ND	ND	ND	0.002	0.000	0.001	ND	10.7	189
07/22/18 01:00 PM	23158	367	1.22	ND	ND	ND	0.001	0.001	ND	ND	10.8	187
07/22/18 01:30 PM	23529	367	1.21	ND	ND	ND	ND	0.000	ND	ND	11.6	187
07/22/18 02:00 PM	23476	366	1.21	ND	ND	ND	ND	0.000	ND	ND	11.7	185
07/22/18 02:30 PM	23253	367	1.21	ND	ND	ND	ND	ND	ND	ND	11.3	188
07/22/18 03:00 PM	22896	367	1.22	ND	ND	ND	ND	0.000	0.000	ND	10.5	195
07/22/18 03:30 PM	22035	367	1.23	ND	ND	0.001	ND	ND	ND	ND	11.3	193
07/22/18 04:00 PM	21830	366	1.23	ND	ND	ND	ND	0.000	ND	ND	11.3	191
07/22/18 04:30 PM	21427	366	1.23	ND	ND	ND	ND	0.000	ND	ND	11.2	191
07/22/18 05:00 PM	21755	366	1.23	ND	ND	ND	ND	ND	ND	ND	11.0	192
07/22/18 05:30 PM	21601	366	1.24	ND	ND	ND	ND	ND	ND	ND	10.4	188
07/22/18 06:00 PM	21470	365	1.24	ND	ND	ND	ND	ND	ND	ND	10.3	184
07/22/18 06:30 PM	21774	365	1.24	ND	ND	0.001	ND	ND	ND	ND	10.9	185
07/22/18 07:00 PM	22120	364	1.23	ND	ND	ND	ND	ND	ND	ND	10.8	183
07/22/18 07:30 PM	22575	364	1.26	ND	ND	ND	ND	0.000	ND	ND	10.1	174
07/22/18 08:00 PM	22942	363	1.30	ND	ND	ND	ND	ND	ND	ND	9.6	177
07/22/18 08:30 PM	23416	362	1.24	ND	ND	ND	ND	ND	ND	ND	8.3	179
07/22/18 09:00 PM	23907	362	1.23	ND	ND	ND	ND	ND	ND	ND	7.9	177
07/22/18 09:30 PM	24389	361	1.30	ND	ND	ND	ND	ND	ND	ND	7.3	176
07/22/18 10:00 PM	24935	362	1.29	ND	ND	ND	ND	ND	ND	ND	7.1	179
07/22/18 10:30 PM	25262	361	1.22	ND	ND	ND	ND	ND	ND	ND	7.5	181
07/22/18 11:00 PM	25752	361	1.22	ND	ND	ND	ND	ND	ND	ND	7.0	179
07/22/18 11:30 PM	25802	361	1.22	ND	ND	ND	ND	ND	ND	ND	8.5	179
07/23/18 12:00 AM	26036	360	1.21	ND	ND	ND	ND	ND	ND	ND	8.0	183

## Daily Processed Summary (Average, Maximum)

Average	24370	364	1.23	0.000	BDL	0.000	0.000	0.000	0.000	BDL	8.5	192
Maximum Value	26393	367	1.39	0.000	BDL	0.004	0.003	0.001	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/23/18 12:30 AM	26306	360	1.19	ND	ND	ND	ND	ND	ND	ND	9.0	187
07/23/18 01:00 AM	26425	360	1.19	ND	ND	ND	ND	ND	ND	ND	9.5	188
07/23/18 01:30 AM	26433	360	1.19	ND	ND	ND	ND	ND	ND	ND	8.6	189
07/23/18 02:00 AM	26393	360	1.19	ND	ND	ND	ND	ND	ND	ND	9.1	186
07/23/18 02:30 AM	26346	360	1.19	ND	ND	ND	ND	ND	ND	ND	8.8	196
07/23/18 03:00 AM	26285	360	1.19	ND	ND	ND	ND	ND	ND	ND	10.2	209
07/23/18 03:30 AM	26013	360	1.20	ND	ND	ND	ND	ND	ND	ND	9.7	205
07/23/18 04:00 AM	25591	359	1.20	ND	ND	ND	ND	ND	ND	ND	11.7	205
07/23/18 04:30 AM	25455	358	1.17	ND	ND	ND	ND	ND	ND	ND	11.5	210
07/23/18 05:00 AM											11.3	212
07/23/18 05:30 AM											9.6	212
07/23/18 06:00 AM											8.1	211
07/23/18 06:30 AM											8.1	214
07/23/18 07:00 AM											9.0	216
07/23/18 07:30 AM											7.7	216
07/23/18 08:00 AM											7.0	219
07/23/18 08:30 AM											6.0	216
07/23/18 09:00 AM											7.7	216
07/23/18 09:30 AM											5.9	225
07/23/18 10:00 AM											6.4	229
07/23/18 10:30 AM											8.1	210
07/23/18 11:00 AM											8.7	210
07/23/18 11:30 AM											8.6	216
07/23/18 12:00 PM											8.0	209
07/23/18 12:30 PM											7.6	195
07/23/18 01:00 PM											7.6	181
07/23/18 01:30 PM											5.0	192
07/23/18 02:00 PM											4.6	196
07/23/18 02:30 PM											5.7	182
07/23/18 03:00 PM											4.3	177
07/23/18 03:30 PM											5.2	176
07/23/18 04:00 PM											6.1	190
07/23/18 04:30 PM											9.9	174
07/23/18 05:00 PM											12.2	162
07/23/18 05:30 PM											11.4	149
07/23/18 06:00 PM											12.3	166
07/23/18 06:30 PM											12.1	168
07/23/18 07:00 PM											11.7	172
07/23/18 07:30 PM											11.0	180
07/23/18 08:00 PM											11.1	175
07/23/18 08:30 PM											10.1	176
07/23/18 09:00 PM											10.1	180
07/23/18 09:30 PM											8.2	179
07/23/18 10:00 PM											9.8	181
07/23/18 10:30 PM											10.7	179
07/23/18 11:00 PM											9.7	180
07/23/18 11:30 PM											9.9	184
07/24/18 12:00 AM											9.6	188

## Daily Processed Summary (Average, Maximum)

Average	26139	359	1.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.4	192
Maximum Value	26433	360	1.20	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/24/18 12:30 AM											11.0	183
07/24/18 01:00 AM											10.1	187
07/24/18 01:30 AM											9.4	190
07/24/18 02:00 AM											9.3	196
07/24/18 02:30 AM											11.2	201
07/24/18 03:00 AM											10.9	203
07/24/18 03:30 AM											8.8	203
07/24/18 04:00 AM											9.2	208
07/24/18 04:30 AM											9.7	229
07/24/18 05:00 AM											9.0	237
07/24/18 05:30 AM											8.4	228
07/24/18 06:00 AM											6.0	236
07/24/18 06:30 AM											5.1	242
07/24/18 07:00 AM											5.4	238
07/24/18 07:30 AM											4.9	253
07/24/18 08:00 AM											4.0	67
07/24/18 08:30 AM											5.1	20
07/24/18 09:00 AM											4.1	44
07/24/18 09:30 AM											1.9	200
07/24/18 10:00 AM											2.9	243
07/24/18 10:30 AM											2.1	198
07/24/18 11:00 AM											3.3	161
07/24/18 11:30 AM											4.6	158
07/24/18 12:00 PM											7.5	171
07/24/18 12:30 PM											6.9	170
07/24/18 01:00 PM											4.0	116
07/24/18 01:30 PM											3.0	220
07/24/18 02:00 PM											6.1	191
07/24/18 02:30 PM											8.9	142
07/24/18 03:00 PM											9.8	137
07/24/18 03:30 PM											11.0	141
07/24/18 04:00 PM											12.4	139
07/24/18 04:30 PM											11.1	131
07/24/18 05:00 PM											10.7	121
07/24/18 05:30 PM											11.4	131
07/24/18 06:00 PM											10.8	143
07/24/18 06:30 PM											9.8	131
07/24/18 07:00 PM											7.9	121
07/24/18 07:30 PM											8.3	129
07/24/18 08:00 PM											9.2	128
07/24/18 08:30 PM											7.2	119
07/24/18 09:00 PM											6.3	123
07/24/18 09:30 PM											4.7	116
07/24/18 10:00 PM											4.5	116
07/24/18 10:30 PM											3.4	106
07/24/18 11:00 PM											4.6	118
07/24/18 11:30 PM											4.4	107
07/25/18 12:00 AM											3.9	109

## Daily Processed Summary (Average, Maximum)

Average											5.0	163
Maximum Value												

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCL_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/25/18 12:30 AM											3.9	117
07/25/18 01:00 AM											1.7	184
07/25/18 01:30 AM											1.3	130
07/25/18 02:00 AM											1.3	63
07/25/18 02:30 AM											2.3	49
07/25/18 03:00 AM											5.2	52
07/25/18 03:30 AM											4.0	34
07/25/18 04:00 AM											3.0	69
07/25/18 04:30 AM											1.4	86
07/25/18 05:00 AM											1.7	77
07/25/18 05:30 AM											1.5	184
07/25/18 06:00 AM											2.0	348
07/25/18 06:30 AM											2.2	340
07/25/18 07:00 AM											1.6	293
07/25/18 07:30 AM											2.3	340
07/25/18 08:00 AM											3.2	294
07/25/18 08:30 AM											3.1	236
07/25/18 09:00 AM											3.8	182
07/25/18 09:30 AM											4.8	15
07/25/18 10:00 AM											4.4	70
07/25/18 10:30 AM											3.9	58
07/25/18 11:00 AM											5.6	78
07/25/18 11:30 AM											5.5	93
07/25/18 12:00 PM											4.8	121
07/25/18 12:30 PM											7.7	172
07/25/18 01:00 PM											6.6	227
07/25/18 01:30 PM											6.2	205
07/25/18 02:00 PM											6.3	192
07/25/18 02:30 PM											6.9	175
07/25/18 03:00 PM											7.9	197
07/25/18 03:30 PM											7.0	206
07/25/18 04:00 PM											7.5	214
07/25/18 04:30 PM											7.3	183
07/25/18 05:00 PM											6.5	148
07/25/18 05:30 PM											6.3	184
07/25/18 06:00 PM											10.4	142
07/25/18 06:30 PM											10.0	144
07/25/18 07:00 PM											10.0	141
07/25/18 07:30 PM											10.1	129
07/25/18 08:00 PM											9.3	130
07/25/18 08:30 PM											9.3	131
07/25/18 09:00 PM											8.5	127
07/25/18 09:30 PM											10.1	137
07/25/18 10:00 PM											8.9	159
07/25/18 10:30 PM											6.6	180
07/25/18 11:00 PM											7.7	189
07/25/18 11:30 PM											7.2	191
07/26/18 12:00 AM											7.5	189

## Daily Processed Summary (Average, Maximum)

Average											3.5	153
Maximum Value												

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/26/18 12:30 AM											6.4	193
07/26/18 01:00 AM											6.2	194
07/26/18 01:30 AM											6.2	181
07/26/18 02:00 AM											5.8	189
07/26/18 02:30 AM											5.7	183
07/26/18 03:00 AM											3.5	159
07/26/18 03:30 AM											2.5	173
07/26/18 04:00 AM											4.8	199
07/26/18 04:30 AM											3.7	181
07/26/18 05:00 AM											1.4	234
07/26/18 05:30 AM											3.0	346
07/26/18 06:00 AM											2.3	224
07/26/18 06:30 AM											2.8	182
07/26/18 07:00 AM											2.2	75
07/26/18 07:30 AM											2.4	281
07/26/18 08:00 AM											2.8	68
07/26/18 08:30 AM											2.3	283
07/26/18 09:00 AM											2.9	298
07/26/18 09:30 AM											4.9	275
07/26/18 10:00 AM											5.3	261
07/26/18 10:30 AM											4.8	246
07/26/18 11:00 AM											4.8	244
07/26/18 11:30 AM											5.6	254
07/26/18 12:00 PM											4.9	210
07/26/18 12:30 PM											5.3	175
07/26/18 01:00 PM											6.7	251
07/26/18 01:30 PM											7.2	270
07/26/18 02:00 PM											5.6	155
07/26/18 02:30 PM											7.6	135
07/26/18 03:00 PM											8.8	149
07/26/18 03:30 PM											10.2	155
07/26/18 04:00 PM											13.3	152
07/26/18 04:30 PM											12.0	157
07/26/18 05:00 PM											12.5	146
07/26/18 05:30 PM											10.9	136
07/26/18 06:00 PM											9.9	128
07/26/18 06:30 PM											10.4	142
07/26/18 07:00 PM											9.9	131
07/26/18 07:30 PM											9.9	136
07/26/18 08:00 PM											12.1	139
07/26/18 08:30 PM											11.4	142
07/26/18 09:00 PM											8.1	156
07/26/18 09:30 PM											7.4	169
07/26/18 10:00 PM											7.2	189
07/26/18 10:30 PM											7.2	190
07/26/18 11:00 PM											6.0	191
07/26/18 11:30 PM											6.4	186
07/27/18 12:00 AM											5.1	190

## Daily Processed Summary (Average, Maximum)

Average											4.6	171
Maximum Value												

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/27/18 12:30 AM											5.8	184
07/27/18 01:00 AM											5.5	184
07/27/18 01:30 AM											4.3	192
07/27/18 02:00 AM											3.9	200
07/27/18 02:30 AM											3.5	200
07/27/18 03:00 AM											3.6	221
07/27/18 03:30 AM											4.4	294
07/27/18 04:00 AM											3.4	315
07/27/18 04:30 AM											3.1	236
07/27/18 05:00 AM											3.5	15
07/27/18 05:30 AM											3.2	240
07/27/18 06:00 AM											3.2	291
07/27/18 06:30 AM											3.5	67
07/27/18 07:00 AM											3.3	70
07/27/18 07:30 AM											1.6	83
07/27/18 08:00 AM											2.1	22
07/27/18 08:30 AM											4.0	5
07/27/18 09:00 AM											4.8	20
07/27/18 09:30 AM											4.6	71
07/27/18 10:00 AM											3.9	178
07/27/18 10:30 AM											5.4	301
07/27/18 11:00 AM											4.8	278
07/27/18 11:30 AM											4.7	231
07/27/18 12:00 PM											5.4	240
07/27/18 12:30 PM											4.2	226
07/27/18 01:00 PM											5.6	228
07/27/18 01:30 PM											7.1	162
07/27/18 02:00 PM											10.0	130
07/27/18 02:30 PM											12.2	160
07/27/18 03:00 PM											11.9	168
07/27/18 03:30 PM											11.4	158
07/27/18 04:00 PM											10.8	169
07/27/18 04:30 PM											9.6	150
07/27/18 05:00 PM											8.9	141
07/27/18 05:30 PM											10.8	130
07/27/18 06:00 PM											10.1	125
07/27/18 06:30 PM											10.9	131
07/27/18 07:00 PM											12.5	139
07/27/18 07:30 PM											11.3	128
07/27/18 08:00 PM											9.7	126
07/27/18 08:30 PM											9.4	127
07/27/18 09:00 PM											8.1	123
07/27/18 09:30 PM											9.4	128
07/27/18 10:00 PM											8.9	126
07/27/18 10:30 PM											9.0	127
07/27/18 11:00 PM											10.0	132
07/27/18 11:30 PM											11.8	135
07/28/18 12:00 AM											10.1	149

## Daily Processed Summary (Average, Maximum)

Average											4.4	149
Maximum Value												

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/28/18 12:30 AM											8.7	143
07/28/18 01:00 AM											7.3	151
07/28/18 01:30 AM											7.4	169
07/28/18 02:00 AM											7.3	181
07/28/18 02:30 AM											6.2	180
07/28/18 03:00 AM											6.0	182
07/28/18 03:30 AM											5.3	184
07/28/18 04:00 AM											4.3	179
07/28/18 04:30 AM											1.7	115
07/28/18 05:00 AM											1.1	115
07/28/18 05:30 AM											2.1	166
07/28/18 06:00 AM											1.8	74
07/28/18 06:30 AM											2.3	76
07/28/18 07:00 AM											4.1	24
07/28/18 07:30 AM											3.1	64
07/28/18 08:00 AM											2.1	42
07/28/18 08:30 AM											2.3	325
07/28/18 09:00 AM											2.2	278
07/28/18 09:30 AM											1.8	200
07/28/18 10:00 AM											5.2	270
07/28/18 10:30 AM											5.1	266
07/28/18 11:00 AM											5.3	249
07/28/18 11:30 AM											5.7	242
07/28/18 12:00 PM											5.4	244
07/28/18 12:30 PM											5.6	192
07/28/18 01:00 PM											6.1	209
07/28/18 01:30 PM											5.8	216
07/28/18 02:00 PM											6.5	211
07/28/18 02:30 PM											6.9	197
07/28/18 03:00 PM											10.5	175
07/28/18 03:30 PM											11.9	163
07/28/18 04:00 PM											13.5	158
07/28/18 04:30 PM											15.0	152
07/28/18 05:00 PM											14.9	150
07/28/18 05:30 PM											13.5	153
07/28/18 06:00 PM											13.3	153
07/28/18 06:30 PM											14.3	159
07/28/18 07:00 PM											12.7	168
07/28/18 07:30 PM											11.3	167
07/28/18 08:00 PM											11.3	171
07/28/18 08:30 PM											9.6	167
07/28/18 09:00 PM											8.1	158
07/28/18 09:30 PM											7.8	167
07/28/18 10:00 PM											8.1	162
07/28/18 10:30 PM											8.3	143
07/28/18 11:00 PM											7.5	127
07/28/18 11:30 PM											7.2	137
07/29/18 12:00 AM											7.6	160

## Daily Processed Summary (Average, Maximum)

Average											5.7	168
Maximum Value												

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/29/18 12:30 AM											7.1	160
07/29/18 01:00 AM											5.8	159
07/29/18 01:30 AM											7.2	170
07/29/18 02:00 AM											8.1	170
07/29/18 02:30 AM											8.1	172
07/29/18 03:00 AM											8.5	178
07/29/18 03:30 AM											7.0	182
07/29/18 04:00 AM											6.6	186
07/29/18 04:30 AM											6.2	184
07/29/18 05:00 AM											3.4	170
07/29/18 05:30 AM											3.2	192
07/29/18 06:00 AM											4.6	194
07/29/18 06:30 AM											4.1	173
07/29/18 07:00 AM											2.2	84
07/29/18 07:30 AM											2.0	148
07/29/18 08:00 AM											3.5	178
07/29/18 08:30 AM											4.2	182
07/29/18 09:00 AM											5.7	187
07/29/18 09:30 AM											4.9	197
07/29/18 10:00 AM											5.3	186
07/29/18 10:30 AM											4.9	188
07/29/18 11:00 AM											4.5	191
07/29/18 11:30 AM											4.8	234
07/29/18 12:00 PM											4.4	223
07/29/18 12:30 PM											5.6	220
07/29/18 01:00 PM											5.8	210
07/29/18 01:30 PM											5.9	205
07/29/18 02:00 PM											7.7	190
07/29/18 02:30 PM											10.5	172
07/29/18 03:00 PM											12.6	168
07/29/18 03:30 PM											14.2	152
07/29/18 04:00 PM											14.1	151
07/29/18 04:30 PM											14.1	160
07/29/18 05:00 PM											14.3	170
07/29/18 05:30 PM											13.6	171
07/29/18 06:00 PM											11.7	166
07/29/18 06:30 PM											11.6	168
07/29/18 07:00 PM											11.5	163
07/29/18 07:30 PM											10.9	162
07/29/18 08:00 PM											8.8	168
07/29/18 08:30 PM											9.1	172
07/29/18 09:00 PM											7.2	174
07/29/18 09:30 PM											8.1	135
07/29/18 10:00 PM											9.5	133
07/29/18 10:30 PM											9.0	135
07/29/18 11:00 PM											10.0	156
07/29/18 11:30 PM											10.3	153
07/30/18 12:00 AM											9.2	136

## Daily Processed Summary (Average, Maximum)

Average											7.2	169
Maximum Value												

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/30/18 12:30 AM											10.3	142
07/30/18 01:00 AM											9.9	150
07/30/18 01:30 AM											8.4	160
07/30/18 02:00 AM											9.9	174
07/30/18 02:30 AM											9.0	179
07/30/18 03:00 AM											8.2	181
07/30/18 03:30 AM											7.2	178
07/30/18 04:00 AM											6.7	178
07/30/18 04:30 AM											6.8	179
07/30/18 05:00 AM											5.8	187
07/30/18 05:30 AM											5.8	184
07/30/18 06:00 AM											5.1	184
07/30/18 06:30 AM											5.0	192
07/30/18 07:00 AM											6.6	204
07/30/18 07:30 AM											3.5	217
07/30/18 08:00 AM											3.0	216
07/30/18 08:30 AM											4.0	229
07/30/18 09:00 AM											5.7	224
07/30/18 09:30 AM											4.9	228
07/30/18 10:00 AM											6.2	251
07/30/18 10:30 AM											6.5	249
07/30/18 11:00 AM											5.2	218
07/30/18 11:30 AM											6.2	229
07/30/18 12:00 PM											5.3	270
07/30/18 12:30 PM											5.0	263
07/30/18 01:00 PM											5.8	263
07/30/18 01:30 PM											4.6	230
07/30/18 02:00 PM											5.5	202
07/30/18 02:30 PM											5.8	188
07/30/18 03:00 PM											5.1	247
07/30/18 03:30 PM											6.2	198
07/30/18 04:00 PM											11.1	174
07/30/18 04:30 PM											12.1	171
07/30/18 05:00 PM											13.0	165
07/30/18 05:30 PM											13.2	166
07/30/18 06:00 PM											10.8	167
07/30/18 06:30 PM											10.4	169
07/30/18 07:00 PM											8.2	165
07/30/18 07:30 PM	19832	385	1.14	0.002	ND	ND	ND	0.000	ND	ND	10.5	153
07/30/18 08:00 PM	21000	376	1.10	ND	ND	ND	ND	0.001	ND	ND	10.2	158
07/30/18 08:30 PM	21491	371	1.10	ND	ND	0.003	ND	0.000	ND	ND	9.0	171
07/30/18 09:00 PM	22512	371	1.06	0.001	ND	ND	ND	ND	ND	ND	8.9	174
07/30/18 09:30 PM	23299	373	1.06	ND	ND	ND	ND	ND	ND	ND	8.9	178
07/30/18 10:00 PM	23582	372	1.14	ND	ND	ND	ND	0.000	ND	ND	7.4	180
07/30/18 10:30 PM	23538	371	1.04	ND	ND	ND	0.002	0.000	ND	ND	9.3	174
07/30/18 11:00 PM	23363	371	1.06	ND	ND	ND	ND	ND	ND	ND	8.3	169
07/30/18 11:30 PM	23323	370	1.07	ND	ND	ND	ND	0.001	ND	ND	7.7	182
07/31/18 12:00 AM	23287	372	1.15	ND	ND	0.005	ND	0.001	ND	ND	6.4	186

## Daily Processed Summary (Average, Maximum)

Average	22523	373	1.09	0.000	BDL	0.001	0.000	0.000	BDL	BDL	6.5	184
Maximum Value	23582	385	1.15	0.002	BDL	0.005	0.002	0.001	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
07/31/18 12:30 AM	23764	369	1.29	ND	ND	0.007	0.003	0.000	ND	ND	6.9	186
07/31/18 01:00 AM	23924	371	1.30	ND	ND	ND	ND	0.001	ND	ND	7.0	179
07/31/18 01:30 AM	24004	371	1.31	ND	ND	ND	ND	0.001	ND	ND	7.4	179
07/31/18 02:00 AM	23970	371	1.07	ND	ND	ND	ND	0.001	ND	ND	8.4	180
07/31/18 02:30 AM	24065	371	1.07	ND	ND	0.010	ND	0.001	ND	ND	7.6	178
07/31/18 03:00 AM	23618	370	1.20	ND	ND	ND	ND	0.003	0.001	ND	7.3	179
07/31/18 03:30 AM	23716	368	1.32	ND	ND	0.005	ND	0.002	ND	ND	7.4	178
07/31/18 04:00 AM	24080	369	1.38	ND	ND	ND	ND	0.000	ND	ND	7.4	180
07/31/18 04:30 AM	24041	369	1.11	ND	ND	0.006	ND	0.001	ND	ND	6.7	182
07/31/18 05:00 AM	23810	369	1.09	ND	ND	0.008	ND	0.000	ND	ND	7.4	179
07/31/18 05:30 AM	23698	370	1.08	ND	ND	0.002	ND	0.001	ND	ND	6.1	184
07/31/18 06:00 AM	23965	369	1.05	ND	ND	0.002	ND	ND	ND	ND	4.5	182
07/31/18 06:30 AM	23816	370	1.06	ND	ND	ND	ND	ND	ND	ND	4.9	183
07/31/18 07:00 AM	23981	371	1.05	0.001	ND	0.002	0.002	0.001	ND	ND	3.8	190
07/31/18 07:30 AM	24043	372	1.04	ND	ND	ND	ND	0.000	ND	0.006	3.8	237
07/31/18 08:00 AM	24085	371	1.04	ND	ND	ND	0.002	ND	ND	ND	3.2	242
07/31/18 08:30 AM	24198	373	1.04	ND	ND	ND	ND	0.001	0.001	ND	5.8	237
07/31/18 09:00 AM	24193	375	1.02	ND	ND	ND	ND	0.001	ND	ND	7.0	254
07/31/18 09:30 AM	24044	377	1.04	ND	ND	ND	ND	0.000	ND	ND	9.9	268
07/31/18 10:00 AM	23657	377	1.05	0.001	ND	ND	ND	0.000	ND	ND	10.3	281
07/31/18 10:30 AM	22604	376	1.06	0.001	ND	ND	ND	0.000	ND	ND	10.2	282
07/31/18 11:00 AM	22129	376	1.04	ND	ND	ND	ND	0.000	ND	ND	10.4	270
07/31/18 11:30 AM	21156	377	1.05	ND	ND	ND	ND	0.000	ND	ND	11.0	270
07/31/18 12:00 PM	20415	373	1.06	ND	ND	ND	ND	0.000	ND	ND	11.5	259
07/31/18 12:30 PM	20210	373	1.06	ND	ND	ND	ND	ND	ND	ND	10.7	254
07/31/18 01:00 PM	19704	375	1.07	ND	ND	ND	ND	0.000	ND	ND	9.5	267
07/31/18 01:30 PM	19678	373	1.07	ND	ND	ND	ND	0.000	ND	ND	9.3	286
07/31/18 02:00 PM	19083	375	1.07	0.001	ND	ND	0.002	0.001	ND	ND	9.9	294
07/31/18 02:30 PM	18544	371	1.07	ND	ND	ND	ND	ND	ND	ND	9.2	299
07/31/18 03:00 PM	18270	372	1.09	ND	ND	ND	ND	ND	ND	ND	7.3	294
07/31/18 03:30 PM	17909	371	1.08	0.004	ND	ND	0.004	ND	ND	ND	5.2	257
07/31/18 04:00 PM	17548	320	1.04	0.007	ND	ND	0.004	ND	ND	ND	10.1	142
07/31/18 04:30 PM											15.8	80
07/31/18 05:00 PM											9.6	78
07/31/18 05:30 PM											6.4	114
07/31/18 06:00 PM	20379	360	1.16	ND	ND	ND	ND	0.000	ND	ND	10.7	131
07/31/18 06:30 PM	21049	367	1.16	ND	ND	ND	ND	0.001	ND	ND	8.1	128
07/31/18 07:00 PM	21250	367	1.16	ND	ND	ND	ND	0.001	ND	ND	6.0	121
07/31/18 07:30 PM	21517	371	1.15	ND	ND	ND	ND	0.001	ND	ND	6.4	127
07/31/18 08:00 PM	21428	377	1.17	ND	ND	ND	ND	0.001	ND	ND	3.9	155
07/31/18 08:30 PM	21369	378	1.16	ND	ND	ND	0.002	0.000	ND	ND	3.7	205
07/31/18 09:00 PM	20739	385	1.21	ND	ND	0.005	ND	0.001	ND	ND	1.3	73
07/31/18 09:30 PM	20750	393	1.40	ND	ND	ND	ND	0.000	ND	ND	0.6	181
07/31/18 10:00 PM	20507	397	1.57	ND	ND	ND	ND	0.002	ND	0.006	0.6	139
07/31/18 10:30 PM	20541	403	1.51	ND	ND	ND	ND	0.002	ND	ND	0.7	123
07/31/18 11:00 PM	20615	402	1.49	ND	ND	ND	ND	0.000	ND	ND	0.6	193
07/31/18 11:30 PM	21008	409	1.33	ND	ND	ND	ND	ND	0.002	ND	0.6	258
08/01/18 12:00 AM	21141	418	1.73	ND	ND	0.004	ND	0.000	ND	ND	3.6	17

## Daily Processed Summary (Average, Maximum)

Average	21960	375	1.17	0.000	BDL	0.001	0.000	0.001	0.000	0.000	3.0	212
Maximum Value	24198	418	1.73	0.007	BDL	0.010	0.004	0.003	0.002	0.006		

BDL = Below Detection Limit

Blank = Not Available



**Formosa Plastics Corporation  
North AAMS Site  
Validated Exceedances of 30-Minute Block Averaged Trigger Levels  
August 2018**

<u>Day</u>	<u>Period</u>	<u>Compound</u>	30-Min Avg. Concentration (ppb)	Trigger Level (ppb)	Wind Speed (mph)	Wind Direction (degrees)
			NONE			

**Formosa Plastics Corporation  
North AAMS Site  
Validated Exceedances of 30-Minute Running Averaged Trigger Levels  
August 2018**

<u>Day</u>	<u>Period</u>	<u>Compound</u>	30-Minute Max Avg. Concentration (ppb)	Trigger Level (ppb)	Max Wind Speed (mph)	Max Wind Direction (degrees)
			NONE			

**Open Path FTIR Daily (24-hour) Averages**  
**Site: Formosa North AAMS**

timestamp	Capture (%)	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
8/1/2018	100	24162	477	2.38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.7	132
8/2/2018	96	23321	475	2.45	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.7	134
8/3/2018	100	24244	472	2.48	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.2	110
8/4/2018	100	26399	461	2.13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.2	129
8/5/2018	100	26932	462	2.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11.5	148
8/6/2018	100	26381	466	2.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.5	117
8/7/2018	100	26796	459	2.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.5	146
8/8/2018	100	26249	459	2.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.3	149
8/9/2018	100	27832	460	2.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.6	158
8/10/2018	100	27276	462	2.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.4	164
8/11/2018	100	26751	462	2.13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.8	168
8/12/2018	56	27851	458	2.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.1	170
8/13/2018	100	27661	461	2.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.2	181
8/14/2018	100	27078	463	2.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11.3	161
8/15/2018	100	27272	462	2.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.5	157
8/16/2018	96	28629	460	2.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14.0	156
8/17/2018	100	27267	463	2.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.7	154
8/18/2018	100	27429	462	2.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.7	170
8/19/2018	100	27668	461	2.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.8	166
8/20/2018	100	27463	460	2.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.6	171
8/21/2018	100	27518	460	2.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.8	179
8/22/2018	100	27392	463	2.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.2	177
8/23/2018	100	26985	469	2.35	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.1	179
8/24/2018	67	25698	462	2.13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.8	184
8/25/2018	92	26679	458	2.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.6	183
8/26/2018	52	26833	463	2.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.4	200
8/27/2018	98	26991	459	2.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.3	181
8/28/2018	100	26986	462	2.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.3	156
8/29/2018	100	27592	462	2.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.4	153
8/30/2018	100	26904	477	2.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.6	157
8/31/2018	100	25732	489	2.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.3	151

**Daily Processed Summary (Average, Maximum)**

Average	95	26773	464	2.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Maximum Value	100	28629	489	2.48	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/01/18 12:30 AM	26093	526	3.19	0.000	ND	ND	ND	0.001	ND	ND	3.8	60
08/01/18 01:00 AM	25959	507	2.52	0.000	ND	0.004	ND	0.000	ND	ND	3.3	82
08/01/18 01:30 AM	25862	498	2.49	ND	ND	0.005	ND	0.001	ND	ND	2.7	86
08/01/18 02:00 AM	25690	498	2.29	ND	ND	0.002	ND	ND	ND	ND	3.4	43
08/01/18 02:30 AM	25584	505	2.63	ND	ND	0.002	ND	ND	ND	ND	2.0	88
08/01/18 03:00 AM	25704	499	2.78	ND	ND	0.002	ND	ND	ND	ND	2.6	76
08/01/18 03:30 AM	25991	475	2.39	ND	0.002	ND	ND	ND	ND	ND	3.1	282
08/01/18 04:00 AM	25704	488	2.46	ND	ND	ND	0.015	0.001	ND	ND	3.1	310
08/01/18 04:30 AM	25236	523	2.88	ND	ND	ND	0.005	ND	ND	ND	3.4	332
08/01/18 05:00 AM	25043	517	3.06	ND	ND	ND	ND	ND	ND	ND	3.2	295
08/01/18 05:30 AM	24600	510	2.54	ND	ND	0.002	ND	0.000	ND	ND	4.3	354
08/01/18 06:00 AM	24550	501	2.78	ND	ND	ND	ND	0.001	0.001	ND	4.9	63
08/01/18 06:30 AM	24365	490	2.68	ND	0.003	ND	ND	ND	ND	ND	4.3	6
08/01/18 07:00 AM	24129	495	2.55	ND	ND	ND	ND	ND	ND	ND	3.3	72
08/01/18 07:30 AM	24166	492	2.48	ND	ND	ND	ND	0.001	ND	ND	2.8	69
08/01/18 08:00 AM	24930	483	2.74	ND	ND	ND	ND	ND	ND	ND	4.3	9
08/01/18 08:30 AM	25036	479	2.83	ND	ND	ND	ND	ND	ND	ND	4.2	10
08/01/18 09:00 AM	25281	474	2.37	ND	ND	ND	ND	ND	ND	ND	3.9	13
08/01/18 09:30 AM	26022	475	2.38	ND	ND	ND	ND	ND	ND	ND	5.6	16
08/01/18 10:00 AM	26362	475	2.37	ND	ND	ND	ND	ND	ND	ND	6.1	11
08/01/18 10:30 AM	25567	472	2.35	ND	ND	0.007	ND	0.000	0.001	ND	3.8	127
08/01/18 11:00 AM	25322	472	2.36	ND	ND	0.003	ND	0.004	ND	ND	4.3	335
08/01/18 11:30 AM	24694	468	2.29	ND	ND	ND	ND	0.002	ND	ND	4.3	278
08/01/18 12:00 PM	22485	463	2.22	ND	ND	0.002	ND	ND	ND	ND	4.6	267
08/01/18 12:30 PM	21379	461	2.19	ND	ND	ND	ND	ND	ND	ND	5.1	314
08/01/18 01:00 PM	20373	460	2.15	ND	ND	0.002	ND	ND	ND	ND	5.0	299
08/01/18 01:30 PM	19690	461	2.14	ND	ND	ND	ND	ND	ND	ND	5.1	290
08/01/18 02:00 PM	19668	460	2.13	ND	ND	ND	ND	ND	ND	ND	5.4	301
08/01/18 02:30 PM	24574	469	2.25	ND	ND	ND	ND	ND	ND	ND	4.4	211
08/01/18 03:00 PM	24236	466	2.23	ND	ND	ND	ND	ND	ND	ND	5.8	262
08/01/18 03:30 PM	24053	466	2.29	ND	ND	ND	ND	ND	ND	ND	6.7	308
08/01/18 04:00 PM	22973	467	2.26	ND	ND	ND	ND	ND	ND	ND	5.9	308
08/01/18 04:30 PM	22515	463	2.26	ND	ND	ND	ND	ND	ND	ND	4.6	261
08/01/18 05:00 PM	22196	462	2.21	ND	ND	ND	ND	ND	ND	ND	7.8	116
08/01/18 05:30 PM	21785	463	2.20	ND	ND	ND	ND	0.001	ND	ND	7.6	136
08/01/18 06:00 PM	22496	462	2.18	ND	ND	ND	ND	0.002	0.001	ND	6.1	168
08/01/18 06:30 PM	24157	465	2.19	ND	ND	ND	ND	0.002	ND	ND	7.3	191
08/01/18 07:00 PM	25830	465	2.17	ND	ND	0.016	ND	ND	ND	ND	6.8	186
08/01/18 07:30 PM	24344	463	2.17	ND	ND	0.009	ND	ND	ND	ND	5.3	187
08/01/18 08:00 PM	22887	460	2.15	ND	ND	0.015	ND	0.000	ND	ND	5.3	187
08/01/18 08:30 PM	23132	459	2.14	ND	ND	0.020	ND	0.001	ND	ND	4.7	141
08/01/18 09:00 PM	24905	462	2.16	ND	ND	0.007	0.002	ND	0.001	ND	4.1	152
08/01/18 09:30 PM	25152	465	2.15	ND	ND	0.005	ND	ND	ND	0.005	7.3	140
08/01/18 10:00 PM	24629	462	2.15	ND	ND	ND	ND	ND	0.002	ND	8.9	135
08/01/18 10:30 PM	23415	463	2.15	ND	ND	0.005	ND	ND	0.004	ND	11.0	136
08/01/18 11:00 PM	23245	460	2.14	ND	ND	ND	ND	0.000	ND	ND	11.6	138
08/01/18 11:30 PM	23330	459	2.16	ND	ND	0.004	ND	ND	ND	ND	8.6	142
08/02/18 12:00 AM	24458	458	2.19	ND	ND	0.005	ND	0.000	ND	ND	7.7	138

## Daily Processed Summary (Average, Maximum)

Average	24162	477	2.38	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.7	132
Maximum Value	26362	526	3.19	0.000	0.003	0.020	0.015	0.004	0.004	0.005		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/02/18 12:30 AM	23450	462	2.17	0.001	ND	0.008	ND	0.000	ND	ND	6.9	137
08/02/18 01:00 AM	23994	461	2.16	ND	ND	ND	ND	ND	0.001	ND	7.5	144
08/02/18 01:30 AM	24374	467	2.22	ND	ND	ND	ND	ND	ND	ND	5.6	164
08/02/18 02:00 AM	24400	466	2.19	ND	ND	ND	ND	ND	ND	ND	5.4	166
08/02/18 02:30 AM	24915	467	2.17	ND	ND	ND	ND	ND	ND	ND	5.2	155
08/02/18 03:00 AM	25215	495	2.19	ND	ND	ND	ND	ND	ND	ND	5.0	147
08/02/18 03:30 AM	25236	500	2.21	ND	ND	ND	ND	ND	ND	ND	6.6	126
08/02/18 04:00 AM	25447	497	2.40	ND	ND	ND	ND	0.000	ND	ND	7.6	130
08/02/18 04:30 AM	24636	521	3.67	ND	ND	ND	0.004	0.000	ND	ND	9.1	134
08/02/18 05:00 AM	24705	519	5.23	ND	ND	ND	ND	0.000	ND	ND	8.6	141
08/02/18 05:30 AM	24908	534	3.87	ND	ND	ND	ND	ND	0.001	ND	6.6	139
08/02/18 06:00 AM	24717	526	3.27	ND	ND	ND	0.003	0.000	ND	ND	5.0	148
08/02/18 06:30 AM	24452	519	2.85	ND	ND	0.020	0.002	ND	ND	ND	1.8	141
08/02/18 07:00 AM	23612	528	3.78	ND	ND	0.030	ND	ND	0.001	ND	3.1	172
08/02/18 07:30 AM	23450	513	3.06	ND	ND	0.026	ND	ND	0.001	ND	4.7	199
08/02/18 08:00 AM	24362	506	2.67	ND	ND	0.023	ND	ND	ND	ND	3.3	208
08/02/18 08:30 AM	25441	499	2.60	ND	ND	ND	ND	ND	ND	ND	1.0	249
08/02/18 09:00 AM	26518	487	2.63	ND	ND	ND	ND	ND	ND	ND	1.1	127
08/02/18 09:30 AM	26800	475	2.39	ND	ND	ND	ND	ND	ND	ND	1.4	184
08/02/18 10:00 AM	26756	469	2.45	ND	ND	ND	ND	ND	ND	ND	2.1	232
08/02/18 10:30 AM	25966	465	2.33	ND	ND	ND	ND	ND	ND	ND	2.4	75
08/02/18 11:00 AM	24250	463	2.24	ND	ND	ND	ND	ND	ND	ND	2.4	227
08/02/18 11:30 AM	22918	460	2.20	ND	ND	ND	ND	ND	ND	ND	3.3	284
08/02/18 12:00 PM	20569	456	2.15	ND	ND	ND	ND	ND	ND	ND	3.7	120
08/02/18 12:30 PM	19057	457	2.14	ND	ND	0.002	ND	ND	ND	ND	4.5	124
08/02/18 01:00 PM	16974	458	2.12	ND	ND	0.006	ND	ND	0.003	ND	3.7	21
08/02/18 01:30 PM	16778	458	2.11	ND	ND	0.007	ND	ND	ND	ND	3.0	28
08/02/18 02:00 PM	17024	457	2.11	ND	ND	ND	ND	ND	ND	ND	2.1	51
08/02/18 02:30 PM	17217	456	2.11	ND	ND	ND	ND	ND	0.001	ND	1.5	79
08/02/18 03:00 PM	18100	458	2.13	ND	ND	0.002	ND	ND	0.002	ND	1.3	200
08/02/18 03:30 PM	21056	465	2.16	ND	ND	0.006	0.009	ND	ND	ND	2.3	299
08/02/18 04:00 PM											3.4	293
08/02/18 04:30 PM											5.5	333
08/02/18 05:00 PM	21328	466	2.15	ND	ND	0.006	ND	ND	ND	ND	5.4	329
08/02/18 05:30 PM	21194	463	2.15	ND	ND	ND	0.006	ND	ND	ND	5.4	317
08/02/18 06:00 PM	21916	459	2.15	ND	ND	ND	ND	ND	ND	ND	6.3	309
08/02/18 06:30 PM	22660	458	2.15	ND	ND	ND	ND	ND	ND	ND	6.5	309
08/02/18 07:00 PM	22822	457	2.14	ND	ND	0.027	ND	ND	ND	ND	6.5	304
08/02/18 07:30 PM	23022	458	2.16	ND	ND	0.005	ND	ND	ND	ND	6.8	315
08/02/18 08:00 PM	23753	457	2.14	ND	ND	0.012	ND	ND	ND	ND	6.8	160
08/02/18 08:30 PM	24499	456	2.17	ND	ND	0.007	ND	ND	ND	ND	6.3	50
08/02/18 09:00 PM	25102	460	2.20	ND	ND	0.017	ND	ND	ND	ND	7.9	134
08/02/18 09:30 PM	25165	462	2.24	ND	ND	ND	ND	ND	ND	ND	8.6	65
08/02/18 10:00 PM	24948	462	2.26	ND	ND	0.024	ND	ND	ND	ND	7.3	18
08/02/18 10:30 PM	25136	462	2.25	ND	ND	ND	ND	ND	0.001	ND	6.8	62
08/02/18 11:00 PM	24654	459	2.23	ND	ND	ND	0.002	ND	ND	ND	8.4	132
08/02/18 11:30 PM	24603	458	2.22	ND	ND	0.006	ND	ND	ND	ND	7.3	160
08/03/18 12:00 AM	24671	463	2.32	ND	ND	ND	ND	ND	ND	ND	9.2	167

## Daily Processed Summary (Average, Maximum)

Average	23321	475	2.45	0.000	BDL	0.005	0.001	0.000	0.000	BDL	1.7	134
Maximum Value	26800	534	5.23	0.001	BDL	0.030	0.009	0.000	0.003	BDL		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/03/18 12:30 AM	24752	472	2.48	ND	ND	0.007	ND	0.001	ND	ND	10.1	166
08/03/18 01:00 AM	25016	474	2.38	ND	ND	0.002	ND	0.002	ND	ND	10.6	163
08/03/18 01:30 AM	24697	470	2.31	ND	ND	0.003	ND	0.002	ND	ND	9.6	142
08/03/18 02:00 AM	24561	476	2.35	ND	ND	0.002	ND	0.000	ND	ND	11.0	143
08/03/18 02:30 AM	24402	491	2.58	ND	ND	0.002	ND	0.000	ND	ND	12.5	131
08/03/18 03:00 AM	24097	493	2.72	ND	ND	0.007	ND	ND	ND	ND	12.5	130
08/03/18 03:30 AM	23987	509	4.13	ND	ND	ND	ND	ND	0.001	ND	12.4	133
08/03/18 04:00 AM	23492	532	5.26	ND	ND	0.008	ND	0.000	0.001	ND	11.6	129
08/03/18 04:30 AM	23764	520	3.36	ND	ND	ND	ND	ND	0.001	ND	10.0	129
08/03/18 05:00 AM	23845	517	5.10	ND	ND	ND	ND	ND	ND	ND	9.4	128
08/03/18 05:30 AM	23928	511	3.00	ND	ND	0.003	ND	0.000	ND	ND	9.1	128
08/03/18 06:00 AM	24031	509	3.55	ND	ND	0.002	ND	ND	ND	ND	8.6	129
08/03/18 06:30 AM	23867	510	2.90	ND	ND	ND	ND	ND	ND	ND	9.1	133
08/03/18 07:00 AM	23801	508	2.61	ND	ND	ND	ND	ND	0.001	ND	7.8	131
08/03/18 07:30 AM	23828	504	2.62	ND	ND	0.011	ND	ND	ND	ND	7.6	134
08/03/18 08:00 AM	24888	489	2.56	ND	ND	ND	ND	ND	ND	ND	8.7	134
08/03/18 08:30 AM	26114	481	2.51	ND	ND	ND	ND	ND	ND	ND	8.1	132
08/03/18 09:00 AM	26851	479	2.46	ND	ND	ND	ND	ND	ND	ND	6.5	121
08/03/18 09:30 AM	27308	467	2.36	ND	ND	ND	ND	ND	ND	ND	3.6	123
08/03/18 10:00 AM	26582	462	2.29	ND	ND	ND	ND	ND	ND	ND	2.5	108
08/03/18 10:30 AM	25390	461	2.27	ND	ND	ND	ND	ND	ND	ND	2.1	132
08/03/18 11:00 AM	23470	460	2.24	ND	ND	ND	ND	ND	ND	ND	1.9	142
08/03/18 11:30 AM	22503	458	2.22	ND	ND	ND	ND	ND	ND	ND	2.2	132
08/03/18 12:00 PM	21647	458	2.18	ND	ND	ND	ND	ND	ND	ND	1.7	133
08/03/18 12:30 PM	20284	460	2.15	ND	ND	ND	ND	ND	ND	ND	2.0	65
08/03/18 01:00 PM	19675	459	2.14	ND	ND	ND	ND	ND	ND	ND	1.8	39
08/03/18 01:30 PM	21392	457	2.15	ND	ND	ND	ND	ND	ND	ND	2.3	96
08/03/18 02:00 PM	21504	458	2.13	ND	ND	ND	ND	ND	ND	ND	2.9	73
08/03/18 02:30 PM	21872	456	2.12	ND	ND	ND	ND	ND	ND	ND	2.9	22
08/03/18 03:00 PM	21829	456	2.12	ND	ND	ND	ND	ND	ND	ND	3.3	15
08/03/18 03:30 PM	22807	456	2.11	ND	ND	ND	ND	ND	ND	ND	3.8	24
08/03/18 04:00 PM	24095	457	2.14	ND	ND	ND	ND	ND	ND	ND	4.0	26
08/03/18 04:30 PM	24148	458	2.14	ND	ND	ND	ND	ND	ND	ND	3.4	17
08/03/18 05:00 PM	24065	456	2.11	ND	ND	ND	ND	ND	ND	ND	3.4	12
08/03/18 05:30 PM	23788	455	2.09	ND	ND	ND	ND	ND	ND	ND	2.5	33
08/03/18 06:00 PM	24649	454	2.09	ND	ND	ND	ND	ND	ND	ND	4.6	34
08/03/18 06:30 PM	25485	452	2.11	ND	ND	ND	ND	ND	ND	ND	5.3	31
08/03/18 07:00 PM	24722	452	2.10	ND	ND	ND	ND	ND	ND	ND	5.1	42
08/03/18 07:30 PM	24762	453	2.09	ND	ND	ND	ND	ND	ND	ND	4.6	37
08/03/18 08:00 PM	24981	452	2.09	ND	ND	ND	ND	ND	ND	ND	4.9	44
08/03/18 08:30 PM	25505	453	2.06	ND	ND	ND	ND	ND	ND	ND	5.5	39
08/03/18 09:00 PM	25633	455	2.07	ND	ND	ND	ND	ND	ND	ND	5.9	36
08/03/18 09:30 PM	25740	454	2.06	ND	ND	ND	ND	ND	ND	ND	5.1	50
08/03/18 10:00 PM	25924	454	2.06	ND	ND	ND	ND	ND	ND	ND	4.9	40
08/03/18 10:30 PM	25891	454	2.10	ND	ND	ND	ND	ND	ND	ND	5.0	26
08/03/18 11:00 PM	25775	454	2.07	ND	ND	ND	ND	ND	ND	ND	4.2	53
08/03/18 11:30 PM	26075	457	2.09	ND	ND	ND	ND	ND	ND	ND	4.3	150
08/04/18 12:00 AM	26285	459	2.33	ND	ND	ND	ND	ND	ND	ND	5.7	90

## Daily Processed Summary (Average, Maximum)

Average	24244	472	2.48	BDL	BDL	0.001	BDL	0.000	0.000	BDL	4.2	110
Maximum Value	27308	532	5.26	BDL	BDL	0.011	BDL	0.002	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/04/18 12:30 AM	26286	461	2.62	ND	ND	ND	ND	ND	ND	ND	4.6	78
08/04/18 01:00 AM	25862	454	2.19	ND	ND	ND	ND	ND	ND	ND	5.1	121
08/04/18 01:30 AM	24806	452	2.16	ND	ND	ND	ND	ND	ND	ND	4.2	78
08/04/18 02:00 AM	26509	457	2.19	ND	ND	ND	ND	ND	ND	ND	5.7	69
08/04/18 02:30 AM	27168	453	2.09	ND	ND	ND	ND	ND	ND	ND	9.3	108
08/04/18 03:00 AM	27390	454	2.07	ND	ND	ND	ND	ND	ND	ND	10.6	131
08/04/18 03:30 AM	27280	454	2.08	ND	ND	ND	ND	ND	ND	ND	11.1	127
08/04/18 04:00 AM	27349	456	2.09	ND	ND	ND	ND	ND	ND	ND	14.1	130
08/04/18 04:30 AM	27493	457	2.20	ND	ND	ND	ND	ND	ND	ND	17.0	137
08/04/18 05:00 AM	27613	458	2.19	ND	ND	ND	ND	ND	ND	ND	16.2	138
08/04/18 05:30 AM	27572	466	2.16	ND	ND	ND	ND	ND	ND	ND	14.8	131
08/04/18 06:00 AM	25791	448	2.14	ND	ND	ND	ND	ND	ND	ND	14.2	118
08/04/18 06:30 AM	22447	444	2.08	ND	ND	ND	ND	ND	ND	ND	14.3	122
08/04/18 07:00 AM	22744	463	2.18	ND	ND	ND	ND	ND	ND	ND	13.3	121
08/04/18 07:30 AM	24701	469	2.21	ND	ND	ND	ND	ND	ND	ND	12.5	117
08/04/18 08:00 AM	24668	462	2.17	ND	ND	ND	ND	ND	ND	ND	13.1	124
08/04/18 08:30 AM	25311	461	2.19	ND	ND	ND	ND	ND	ND	ND	14.2	126
08/04/18 09:00 AM	26033	464	2.15	ND	ND	ND	ND	ND	ND	ND	12.7	122
08/04/18 09:30 AM	27902	461	2.11	ND	ND	ND	ND	ND	ND	ND	11.5	121
08/04/18 10:00 AM	29019	461	2.14	ND	ND	ND	ND	ND	ND	ND	9.6	126
08/04/18 10:30 AM	27222	462	2.12	ND	ND	ND	ND	ND	ND	ND	8.1	124
08/04/18 11:00 AM	25859	458	2.10	ND	ND	ND	ND	ND	ND	ND	9.2	128
08/04/18 11:30 AM	28465	463	2.11	ND	ND	ND	ND	ND	ND	ND	9.4	127
08/04/18 12:00 PM	27937	467	2.10	ND	ND	ND	ND	ND	ND	ND	7.0	117
08/04/18 12:30 PM	26733	463	2.09	ND	ND	ND	ND	ND	ND	ND	5.6	108
08/04/18 01:00 PM	26298	462	2.08	ND	ND	ND	ND	ND	ND	ND	5.1	115
08/04/18 01:30 PM	25964	465	2.10	ND	ND	ND	ND	ND	ND	ND	5.0	115
08/04/18 02:00 PM	26459	462	2.09	ND	ND	ND	ND	ND	ND	ND	4.4	116
08/04/18 02:30 PM	26837	464	2.10	ND	ND	ND	ND	ND	ND	ND	3.9	95
08/04/18 03:00 PM	27948	464	2.11	ND	ND	ND	ND	ND	ND	ND	4.4	112
08/04/18 03:30 PM	27114	466	2.10	ND	ND	ND	ND	ND	ND	ND	5.2	114
08/04/18 04:00 PM	26297	463	2.09	ND	ND	ND	ND	ND	ND	ND	3.7	92
08/04/18 04:30 PM	25930	462	2.07	ND	ND	ND	ND	ND	ND	ND	3.5	124
08/04/18 05:00 PM	26557	463	2.07	ND	ND	ND	ND	ND	ND	ND	4.3	159
08/04/18 05:30 PM	27006	464	2.08	ND	ND	ND	ND	ND	ND	ND	6.2	183
08/04/18 06:00 PM	26463	469	2.09	ND	ND	ND	ND	ND	ND	ND	6.8	182
08/04/18 06:30 PM	25696	464	2.06	ND	ND	ND	ND	ND	ND	ND	6.2	181
08/04/18 07:00 PM	25651	468	2.09	ND	ND	ND	ND	ND	ND	ND	5.0	181
08/04/18 07:30 PM	25005	470	2.10	ND	ND	ND	ND	ND	ND	ND	4.2	181
08/04/18 08:00 PM	26394	465	2.13	ND	ND	ND	ND	ND	ND	ND	4.2	189
08/04/18 08:30 PM	26898	456	2.11	ND	ND	ND	ND	ND	ND	ND	4.5	191
08/04/18 09:00 PM	26452	457	2.15	ND	ND	ND	ND	ND	ND	ND	3.0	130
08/04/18 09:30 PM	25652	459	2.20	ND	ND	ND	ND	ND	ND	ND	9.4	170
08/04/18 10:00 PM	25442	460	2.08	ND	ND	ND	ND	ND	ND	ND	6.5	152
08/04/18 10:30 PM	26552	465	2.08	ND	ND	ND	ND	ND	ND	ND	2.6	133
08/04/18 11:00 PM	27145	467	2.10	ND	ND	ND	ND	ND	ND	ND	2.8	124
08/04/18 11:30 PM	26610	462	2.07	ND	ND	ND	ND	ND	ND	ND	4.9	106
08/05/18 12:00 AM	26605	463	2.06	ND	ND	ND	ND	ND	ND	ND	5.2	120

## Daily Processed Summary (Average, Maximum)

Average	26399	461	2.13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.2	129
Maximum Value	29019	470	2.62	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/05/18 12:30 AM	27205	466	2.07	ND	ND	ND	ND	ND	ND	ND	5.8	126
08/05/18 01:00 AM	28627	468	2.09	ND	ND	ND	ND	ND	ND	ND	5.4	117
08/05/18 01:30 AM	28469	460	2.08	ND	ND	ND	ND	ND	ND	ND	5.2	108
08/05/18 02:00 AM	27963	459	2.07	ND	ND	ND	ND	ND	ND	ND	6.5	95
08/05/18 02:30 AM	27738	460	2.08	ND	ND	ND	ND	ND	ND	ND	7.7	114
08/05/18 03:00 AM	28085	461	2.07	ND	ND	ND	ND	ND	ND	ND	10.2	186
08/05/18 03:30 AM	28458	460	2.07	ND	ND	ND	ND	ND	ND	ND	4.2	187
08/05/18 04:00 AM	28519	460	2.08	ND	ND	ND	ND	ND	ND	ND	8.6	141
08/05/18 04:30 AM	28405	460	2.07	ND	ND	ND	ND	ND	ND	ND	11.0	148
08/05/18 05:00 AM	27761	462	2.08	ND	ND	ND	ND	ND	ND	ND	12.1	153
08/05/18 05:30 AM	27514	464	2.07	ND	ND	ND	ND	ND	ND	ND	13.6	175
08/05/18 06:00 AM	27527	462	2.06	ND	ND	ND	ND	ND	ND	ND	15.6	165
08/05/18 06:30 AM	27670	463	2.11	ND	ND	ND	ND	ND	ND	ND	12.8	146
08/05/18 07:00 AM	27642	488	2.59	ND	ND	ND	ND	ND	ND	ND	12.9	142
08/05/18 07:30 AM	27464	490	2.17	ND	ND	ND	ND	ND	ND	ND	14.9	142
08/05/18 08:00 AM	27666	484	2.17	ND	ND	ND	ND	ND	ND	ND	15.4	143
08/05/18 08:30 AM	28453	473	2.23	ND	ND	ND	ND	ND	ND	ND	14.3	157
08/05/18 09:00 AM	28635	462	2.18	ND	ND	ND	ND	ND	ND	ND	14.8	146
08/05/18 09:30 AM	28177	458	2.08	ND	ND	ND	ND	ND	ND	ND	16.7	146
08/05/18 10:00 AM	27594	459	2.08	ND	ND	ND	ND	ND	ND	ND	16.7	161
08/05/18 10:30 AM	27265	460	2.07	ND	ND	ND	ND	ND	ND	ND	17.5	160
08/05/18 11:00 AM	27089	462	2.07	ND	ND	ND	ND	ND	ND	ND	16.8	162
08/05/18 11:30 AM	27103	460	2.06	ND	ND	ND	ND	ND	ND	ND	16.3	159
08/05/18 12:00 PM	26622	459	2.06	ND	ND	ND	ND	ND	ND	ND	15.5	161
08/05/18 12:30 PM	25944	460	2.06	ND	ND	ND	ND	ND	ND	ND	15.6	159
08/05/18 01:00 PM	24775	460	2.04	ND	ND	ND	ND	ND	ND	ND	17.1	157
08/05/18 01:30 PM	26265	459	2.05	ND	ND	ND	ND	ND	ND	ND	16.3	161
08/05/18 02:00 PM	24654	458	2.04	ND	ND	ND	ND	ND	ND	ND	15.2	154
08/05/18 02:30 PM	23912	458	2.04	ND	ND	ND	ND	ND	ND	ND	18.0	144
08/05/18 03:00 PM	23872	457	2.05	ND	ND	ND	ND	ND	ND	ND	16.0	142
08/05/18 03:30 PM	24446	456	2.05	ND	ND	ND	ND	ND	ND	ND	10.6	136
08/05/18 04:00 PM	24844	456	2.05	ND	ND	ND	ND	ND	ND	ND	8.3	125
08/05/18 04:30 PM	24512	459	2.06	ND	ND	ND	ND	ND	ND	ND	10.5	128
08/05/18 05:00 PM	25276	459	2.06	ND	ND	ND	ND	ND	ND	ND	12.0	137
08/05/18 05:30 PM	25580	456	2.05	ND	ND	ND	ND	ND	ND	ND	10.7	151
08/05/18 06:00 PM	25843	455	2.05	ND	ND	ND	ND	ND	ND	ND	9.4	160
08/05/18 06:30 PM	26683	455	2.06	ND	ND	ND	ND	ND	ND	ND	11.8	163
08/05/18 07:00 PM	27235	455	2.06	ND	ND	ND	ND	ND	ND	ND	12.7	165
08/05/18 07:30 PM	26977	456	2.05	ND	ND	ND	ND	ND	ND	ND	13.8	162
08/05/18 08:00 PM	26698	460	2.06	ND	ND	ND	ND	ND	ND	ND	14.4	159
08/05/18 08:30 PM	26639	460	2.05	ND	ND	ND	ND	ND	ND	ND	13.7	148
08/05/18 09:00 PM	27170	461	2.08	ND	ND	ND	ND	ND	ND	ND	13.2	136
08/05/18 09:30 PM	27489	461	2.10	ND	ND	ND	ND	ND	ND	ND	10.1	130
08/05/18 10:00 PM	27294	462	2.05	ND	ND	ND	ND	ND	ND	ND	8.8	124
08/05/18 10:30 PM	26879	462	2.14	ND	ND	ND	ND	ND	ND	ND	7.7	121
08/05/18 11:00 PM	27173	464	2.18	ND	ND	ND	ND	ND	ND	ND	7.3	117
08/05/18 11:30 PM	27333	466	2.47	ND	ND	ND	ND	ND	ND	ND	6.9	113
08/06/18 12:00 AM	27598	472	2.55	ND	ND	ND	ND	ND	ND	ND	7.1	111

## Daily Processed Summary (Average, Maximum)

Average	26932	462	2.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11.5	148
Maximum Value	28635	490	2.59	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/06/18 12:30 AM	27789	473	2.42	ND	ND	ND	ND	ND	ND	ND	7.4	116
08/06/18 01:00 AM	27935	474	2.40	ND	ND	ND	ND	ND	ND	ND	6.5	112
08/06/18 01:30 AM	28049	473	2.28	ND	ND	ND	ND	ND	ND	ND	6.3	112
08/06/18 02:00 AM	27678	477	2.22	ND	ND	ND	ND	ND	ND	ND	6.2	116
08/06/18 02:30 AM	27472	479	2.14	ND	ND	ND	ND	ND	ND	ND	6.1	114
08/06/18 03:00 AM	27382	482	2.17	ND	ND	ND	ND	ND	ND	ND	4.3	91
08/06/18 03:30 AM	26494	491	2.27	ND	ND	ND	ND	ND	ND	ND	4.2	50
08/06/18 04:00 AM	25573	490	2.21	ND	ND	ND	ND	ND	ND	ND	4.8	48
08/06/18 04:30 AM	25735	487	2.14	ND	ND	ND	ND	ND	ND	ND	4.6	61
08/06/18 05:00 AM	25801	488	2.17	ND	ND	ND	ND	ND	ND	ND	3.5	69
08/06/18 05:30 AM	25909	486	2.19	ND	ND	ND	ND	ND	ND	ND	4.9	86
08/06/18 06:00 AM	26050	486	2.19	ND	ND	ND	ND	ND	ND	ND	7.7	119
08/06/18 06:30 AM	26041	493	2.18	ND	ND	ND	ND	ND	ND	ND	8.9	116
08/06/18 07:00 AM	25908	490	2.19	ND	ND	ND	ND	ND	ND	ND	9.1	112
08/06/18 07:30 AM	26635	479	2.32	ND	ND	ND	ND	ND	ND	ND	9.0	115
08/06/18 08:00 AM	27057	473	2.20	ND	ND	ND	ND	ND	ND	ND	9.8	118
08/06/18 08:30 AM	27658	465	2.22	ND	ND	ND	ND	ND	ND	ND	10.6	125
08/06/18 09:00 AM	26601	454	2.09	ND	ND	ND	ND	ND	ND	ND	11.0	123
08/06/18 09:30 AM	26829	456	2.09	ND	ND	ND	ND	ND	ND	ND	10.8	124
08/06/18 10:00 AM	26641	457	2.09	ND	ND	ND	ND	ND	ND	ND	12.0	127
08/06/18 10:30 AM	26647	455	2.17	ND	ND	ND	ND	ND	ND	ND	12.1	130
08/06/18 11:00 AM	27276	453	2.11	ND	ND	ND	ND	ND	ND	ND	11.9	122
08/06/18 11:30 AM	26534	454	2.11	ND	ND	ND	ND	ND	ND	ND	12.3	121
08/06/18 12:00 PM	26951	453	2.07	ND	ND	ND	ND	ND	ND	ND	12.0	116
08/06/18 12:30 PM	27535	453	2.07	ND	ND	ND	ND	ND	ND	ND	12.0	128
08/06/18 01:00 PM	27500	454	2.14	ND	ND	ND	ND	ND	ND	ND	12.4	128
08/06/18 01:30 PM	26840	454	2.10	ND	ND	ND	ND	ND	ND	ND	13.5	124
08/06/18 02:00 PM	26594	454	2.13	ND	ND	ND	ND	ND	ND	ND	13.6	119
08/06/18 02:30 PM	26359	455	2.10	ND	ND	ND	ND	ND	ND	ND	13.2	123
08/06/18 03:00 PM	26388	454	2.08	ND	ND	ND	ND	ND	ND	ND	14.2	134
08/06/18 03:30 PM	25924	461	2.07	ND	ND	ND	ND	ND	ND	ND	14.1	127
08/06/18 04:00 PM	24946	461	2.08	ND	ND	ND	ND	ND	ND	ND	13.5	126
08/06/18 04:30 PM	26288	462	2.09	ND	ND	ND	ND	ND	ND	ND	12.6	123
08/06/18 05:00 PM	25975	461	2.08	ND	ND	ND	ND	ND	ND	ND	11.7	124
08/06/18 05:30 PM	25167	460	2.08	ND	ND	ND	ND	ND	ND	ND	11.4	124
08/06/18 06:00 PM	24872	463	2.08	ND	ND	ND	ND	ND	ND	ND	11.0	124
08/06/18 06:30 PM	24625	461	2.07	ND	ND	ND	ND	ND	ND	ND	9.2	124
08/06/18 07:00 PM	23981	462	2.09	ND	ND	ND	ND	ND	ND	ND	9.6	123
08/06/18 07:30 PM	25388	459	2.11	ND	ND	ND	ND	ND	ND	ND	8.1	120
08/06/18 08:00 PM	25855	456	2.13	ND	ND	ND	ND	ND	ND	ND	6.3	114
08/06/18 08:30 PM	26137	457	2.16	ND	ND	ND	ND	ND	ND	ND	5.0	107
08/06/18 09:00 PM	26213	458	2.14	ND	ND	ND	ND	ND	ND	ND	5.4	103
08/06/18 09:30 PM	25866	461	2.23	ND	ND	ND	ND	ND	ND	ND	7.1	108
08/06/18 10:00 PM	25969	459	2.14	ND	ND	ND	ND	ND	ND	ND	6.4	107
08/06/18 10:30 PM	26263	457	2.18	ND	ND	ND	ND	ND	ND	ND	5.1	85
08/06/18 11:00 PM	25925	458	2.11	ND	ND	ND	ND	ND	ND	ND	4.3	86
08/06/18 11:30 PM	26212	459	2.11	ND	ND	ND	ND	ND	ND	ND	3.8	90
08/07/18 12:00 AM	26820	458	2.09	ND	ND	ND	ND	ND	ND	ND	4.0	92

## Daily Processed Summary (Average, Maximum)

Average	26381	466	2.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.5	117
Maximum Value	28049	493	2.42	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/07/18 12:30 AM	26901	457	2.09	ND	ND	ND	ND	ND	ND	ND	3.9	97
08/07/18 01:00 AM	26676	455	2.10	ND	ND	ND	ND	ND	ND	ND	4.2	79
08/07/18 01:30 AM	26308	460	2.09	ND	ND	ND	ND	ND	ND	ND	4.0	74
08/07/18 02:00 AM	26767	460	2.08	ND	ND	ND	ND	ND	ND	ND	3.9	90
08/07/18 02:30 AM	27214	462	2.09	ND	ND	ND	ND	ND	ND	ND	3.7	76
08/07/18 03:00 AM	27171	462	2.10	ND	ND	ND	ND	ND	ND	ND	3.8	57
08/07/18 03:30 AM	27442	464	2.10	ND	ND	ND	ND	ND	ND	ND	4.0	47
08/07/18 04:00 AM	27526	464	2.09	ND	ND	ND	ND	ND	ND	ND	4.3	40
08/07/18 04:30 AM	27372	462	2.09	ND	ND	ND	ND	ND	ND	ND	5.3	38
08/07/18 05:00 AM	27280	457	2.08	ND	ND	ND	ND	ND	ND	ND	5.1	42
08/07/18 05:30 AM	27242	461	2.10	ND	ND	ND	ND	ND	ND	ND	5.0	50
08/07/18 06:00 AM	27066	464	2.14	ND	ND	ND	ND	ND	ND	ND	5.1	60
08/07/18 06:30 AM	27002	467	2.15	ND	ND	ND	ND	ND	ND	ND	5.6	52
08/07/18 07:00 AM	27153	460	2.07	ND	ND	ND	ND	ND	ND	ND	5.2	51
08/07/18 07:30 AM	27273	458	2.06	ND	ND	ND	ND	ND	ND	ND	3.7	50
08/07/18 08:00 AM	27568	457	2.10	ND	ND	ND	ND	ND	ND	ND	4.8	47
08/07/18 08:30 AM	27743	457	2.07	ND	ND	ND	ND	ND	ND	ND	5.7	51
08/07/18 09:00 AM	27621	457	2.07	ND	ND	ND	ND	ND	ND	ND	4.9	79
08/07/18 09:30 AM	27416	459	2.08	ND	ND	ND	ND	ND	ND	ND	5.2	57
08/07/18 10:00 AM	26765	457	2.07	ND	ND	ND	ND	ND	ND	ND	5.4	86
08/07/18 10:30 AM	26539	457	2.05	ND	ND	ND	ND	ND	ND	ND	9.2	128
08/07/18 11:00 AM	26285	457	2.06	ND	ND	ND	ND	ND	ND	ND	9.4	148
08/07/18 11:30 AM	26699	460	2.07	ND	ND	ND	ND	ND	ND	ND	10.1	168
08/07/18 12:00 PM	26105	460	2.05	ND	ND	ND	ND	ND	ND	ND	9.9	179
08/07/18 12:30 PM	25231	463	2.05	ND	ND	ND	ND	ND	ND	ND	8.5	182
08/07/18 01:00 PM	25669	463	2.06	ND	ND	ND	ND	ND	ND	ND	8.5	189
08/07/18 01:30 PM	26125	463	2.04	ND	ND	ND	ND	ND	ND	ND	10.1	179
08/07/18 02:00 PM	26867	461	2.06	ND	ND	ND	ND	ND	ND	ND	7.3	188
08/07/18 02:30 PM	26779	462	2.09	ND	ND	ND	ND	ND	ND	ND	7.2	199
08/07/18 03:00 PM	27160	460	2.09	ND	ND	ND	ND	ND	ND	ND	6.7	191
08/07/18 03:30 PM	27421	464	2.07	ND	ND	ND	ND	ND	ND	ND	10.5	175
08/07/18 04:00 PM	27138	462	2.06	ND	ND	ND	ND	ND	ND	ND	10.9	176
08/07/18 04:30 PM	26008	463	2.05	ND	ND	ND	ND	ND	ND	ND	9.8	175
08/07/18 05:00 PM	26915	459	2.05	ND	ND	ND	ND	ND	ND	ND	9.4	173
08/07/18 05:30 PM	26673	461	2.06	ND	ND	ND	ND	ND	ND	ND	10.9	174
08/07/18 06:00 PM	26709	458	2.06	ND	ND	ND	ND	ND	ND	ND	11.5	172
08/07/18 06:30 PM	26745	457	2.06	ND	ND	ND	ND	ND	ND	ND	10.6	164
08/07/18 07:00 PM	25929	454	2.03	ND	ND	ND	ND	ND	ND	ND	11.6	158
08/07/18 07:30 PM	26382	453	2.04	ND	ND	ND	ND	ND	ND	ND	11.0	164
08/07/18 08:00 PM	26654	453	2.04	ND	ND	ND	ND	ND	ND	ND	12.2	159
08/07/18 08:30 PM	26119	454	2.05	ND	ND	ND	ND	ND	ND	ND	11.4	169
08/07/18 09:00 PM	25604	456	2.05	ND	ND	ND	ND	ND	ND	ND	9.9	162
08/07/18 09:30 PM	25487	457	2.06	ND	ND	ND	ND	ND	ND	ND	11.4	149
08/07/18 10:00 PM	26045	456	2.05	ND	ND	ND	ND	ND	ND	ND	11.3	155
08/07/18 10:30 PM	27251	454	2.05	ND	ND	ND	ND	ND	ND	ND	9.9	159
08/07/18 11:00 PM	27161	456	2.06	ND	ND	ND	ND	ND	ND	ND	10.1	148
08/07/18 11:30 PM	27512	452	2.06	ND	ND	ND	ND	ND	ND	ND	12.0	137
08/08/18 12:00 AM	27483	460	2.08	ND	ND	ND	ND	ND	ND	ND	13.3	138

## Daily Processed Summary (Average, Maximum)

Average	26796	459	2.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.5	146
Maximum Value	27743	467	2.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/08/18 12:30 AM	27729	459	2.07	ND	ND	ND	ND	ND	ND	ND	10.4	133
08/08/18 01:00 AM	27389	460	2.06	ND	ND	ND	ND	ND	ND	ND	9.1	122
08/08/18 01:30 AM	27280	462	2.06	ND	ND	ND	ND	ND	ND	ND	7.1	118
08/08/18 02:00 AM	27254	459	2.05	ND	ND	ND	ND	ND	ND	ND	6.8	123
08/08/18 02:30 AM	27482	460	2.05	ND	ND	ND	ND	ND	ND	ND	8.2	125
08/08/18 03:00 AM	27503	459	2.05	ND	ND	ND	ND	ND	ND	ND	8.4	126
08/08/18 03:30 AM	27396	458	2.06	ND	ND	ND	ND	ND	ND	ND	7.5	121
08/08/18 04:00 AM	27205	458	2.05	ND	ND	ND	ND	ND	ND	ND	6.4	122
08/08/18 04:30 AM	27142	459	2.04	ND	ND	ND	ND	ND	ND	ND	9.8	132
08/08/18 05:00 AM	26250	456	2.07	ND	ND	ND	ND	ND	ND	ND	8.1	125
08/08/18 05:30 AM	22713	456	2.04	ND	ND	ND	ND	ND	ND	ND	5.8	127
08/08/18 06:00 AM	22178	458	2.04	ND	ND	ND	ND	ND	ND	ND	5.0	137
08/08/18 06:30 AM	24012	462	2.16	ND	ND	ND	ND	ND	ND	ND	7.0	148
08/08/18 07:00 AM	26964	470	2.09	ND	ND	ND	ND	ND	ND	ND	7.0	147
08/08/18 07:30 AM	27776	467	2.08	ND	ND	ND	ND	ND	ND	ND	8.1	153
08/08/18 08:00 AM	25669	456	2.06	ND	ND	ND	ND	ND	ND	ND	10.1	151
08/08/18 08:30 AM	25689	463	2.13	ND	ND	ND	ND	ND	ND	ND	11.1	155
08/08/18 09:00 AM	27005	464	2.10	ND	ND	ND	ND	ND	ND	ND	11.8	156
08/08/18 09:30 AM	27759	458	2.07	ND	ND	ND	ND	ND	ND	ND	9.7	157
08/08/18 10:00 AM	28105	457	2.07	ND	ND	ND	ND	ND	ND	ND	7.8	153
08/08/18 10:30 AM	28638	455	2.05	ND	ND	ND	ND	ND	ND	ND	9.4	134
08/08/18 11:00 AM	24252	448	2.02	ND	ND	ND	ND	ND	ND	ND	8.0	128
08/08/18 11:30 AM	27282	459	2.06	ND	ND	ND	ND	ND	ND	ND	4.9	124
08/08/18 12:00 PM	26803	462	2.07	ND	ND	ND	ND	ND	ND	ND	3.5	123
08/08/18 12:30 PM	27058	463	2.06	ND	ND	ND	ND	ND	ND	ND	3.5	142
08/08/18 01:00 PM	26202	463	2.08	ND	ND	ND	ND	ND	ND	ND	6.0	163
08/08/18 01:30 PM	26306	458	2.06	ND	ND	ND	ND	ND	ND	ND	5.5	169
08/08/18 02:00 PM	26592	456	2.05	ND	ND	ND	ND	ND	ND	ND	6.1	175
08/08/18 02:30 PM	25235	455	2.07	ND	ND	ND	ND	ND	ND	ND	6.9	182
08/08/18 03:00 PM	25561	455	2.09	ND	ND	ND	ND	ND	ND	ND	8.5	180
08/08/18 03:30 PM	25817	455	2.08	ND	ND	ND	ND	ND	ND	ND	7.9	182
08/08/18 04:00 PM	25955	455	2.07	ND	ND	ND	ND	ND	ND	ND	7.5	169
08/08/18 04:30 PM	26127	456	2.07	ND	ND	ND	ND	ND	ND	ND	7.1	181
08/08/18 05:00 PM	24518	464	2.07	ND	ND	ND	ND	ND	ND	ND	6.7	185
08/08/18 05:30 PM	25320	463	2.06	ND	ND	ND	ND	ND	ND	ND	8.1	176
08/08/18 06:00 PM	25689	459	2.05	ND	ND	ND	ND	ND	ND	ND	9.5	147
08/08/18 06:30 PM	25182	462	2.05	ND	ND	ND	ND	ND	ND	ND	10.0	149
08/08/18 07:00 PM	24622	463	2.05	ND	ND	ND	ND	ND	ND	ND	10.2	156
08/08/18 07:30 PM	24737	459	2.05	ND	ND	ND	ND	ND	ND	ND	10.2	164
08/08/18 08:00 PM	25689	458	2.05	ND	ND	ND	ND	ND	ND	ND	9.9	161
08/08/18 08:30 PM	25540	458	2.04	ND	ND	ND	ND	ND	ND	ND	10.5	160
08/08/18 09:00 PM	25529	457	2.04	ND	ND	ND	ND	ND	ND	ND	11.3	156
08/08/18 09:30 PM	25728	458	2.05	ND	ND	ND	ND	ND	ND	ND	12.2	160
08/08/18 10:00 PM	26097	457	2.06	ND	ND	ND	ND	ND	ND	ND	13.5	144
08/08/18 10:30 PM	26754	457	2.08	ND	ND	ND	ND	ND	ND	ND	14.1	142
08/08/18 11:00 PM	27544	460	2.09	ND	ND	ND	ND	ND	ND	ND	14.2	151
08/08/18 11:30 PM	27569	468	2.09	ND	ND	ND	ND	ND	ND	ND	13.6	154
08/09/18 12:00 AM	27117	463	2.07	ND	ND	ND	ND	ND	ND	ND	12.8	148

## Daily Processed Summary (Average, Maximum)

Average	26249	459	2.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.3	149
Maximum Value	28638	470	2.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/09/18 12:30 AM	27058	459	2.06	ND	ND	ND	ND	ND	ND	ND	13.5	155
08/09/18 01:00 AM	26947	458	2.06	ND	ND	ND	ND	ND	ND	ND	13.4	149
08/09/18 01:30 AM	26969	456	2.07	ND	ND	ND	ND	ND	ND	ND	11.8	147
08/09/18 02:00 AM	27253	458	2.07	ND	ND	ND	ND	ND	ND	ND	11.2	148
08/09/18 02:30 AM	27812	457	2.07	ND	ND	ND	ND	ND	ND	ND	11.2	142
08/09/18 03:00 AM	27937	458	2.14	ND	ND	ND	ND	ND	ND	ND	9.6	137
08/09/18 03:30 AM	28168	458	2.15	ND	ND	ND	ND	ND	ND	ND	9.2	129
08/09/18 04:00 AM	27996	459	2.30	ND	ND	ND	ND	ND	ND	ND	10.3	125
08/09/18 04:30 AM	27925	460	2.62	ND	ND	ND	ND	ND	ND	ND	11.5	129
08/09/18 05:00 AM	27877	462	2.38	ND	ND	ND	ND	ND	ND	ND	10.3	128
08/09/18 05:30 AM	28188	462	2.11	ND	ND	ND	ND	ND	ND	ND	9.5	128
08/09/18 06:00 AM	28391	463	2.08	ND	ND	ND	ND	ND	ND	ND	8.6	125
08/09/18 06:30 AM	28251	464	2.07	ND	ND	ND	ND	ND	ND	ND	7.6	127
08/09/18 07:00 AM	28247	463	2.07	ND	ND	ND	ND	ND	ND	ND	9.2	131
08/09/18 07:30 AM	28471	465	2.06	ND	ND	ND	ND	ND	ND	ND	10.7	132
08/09/18 08:00 AM	28924	466	2.07	ND	ND	ND	ND	ND	ND	ND	12.3	137
08/09/18 08:30 AM	28968	462	2.08	ND	ND	ND	ND	ND	ND	ND	11.2	131
08/09/18 09:00 AM	28796	459	2.07	ND	ND	ND	ND	ND	ND	ND	9.6	132
08/09/18 09:30 AM	27937	459	2.06	ND	ND	ND	ND	ND	ND	ND	10.9	145
08/09/18 10:00 AM	28001	459	2.06	ND	ND	ND	ND	ND	ND	ND	12.2	142
08/09/18 10:30 AM	27745	459	2.06	ND	ND	ND	ND	ND	ND	ND	12.5	141
08/09/18 11:00 AM	27690	460	2.07	ND	ND	ND	ND	ND	ND	ND	11.4	157
08/09/18 11:30 AM	27075	458	2.05	ND	ND	ND	ND	ND	ND	ND	10.8	166
08/09/18 12:00 PM	26875	459	2.07	ND	ND	ND	ND	ND	ND	ND	10.1	169
08/09/18 12:30 PM	27128	459	2.08	ND	ND	ND	ND	ND	ND	ND	10.1	167
08/09/18 01:00 PM	27056	459	2.06	ND	ND	ND	ND	ND	ND	ND	9.4	168
08/09/18 01:30 PM	26449	460	2.05	ND	ND	ND	ND	ND	ND	ND	10.5	170
08/09/18 02:00 PM	26832	461	2.05	ND	ND	ND	ND	ND	ND	ND	10.5	175
08/09/18 02:30 PM	26552	461	2.05	ND	ND	ND	ND	ND	ND	ND	8.9	172
08/09/18 03:00 PM	26450	463	2.05	ND	ND	ND	ND	ND	ND	ND	8.0	170
08/09/18 03:30 PM	26958	464	2.05	ND	ND	ND	ND	ND	ND	ND	9.3	191
08/09/18 04:00 PM	26661	464	2.06	ND	ND	ND	ND	ND	ND	ND	8.8	193
08/09/18 04:30 PM	26584	461	2.05	ND	ND	ND	ND	ND	ND	ND	4.9	182
08/09/18 05:00 PM	27438	464	2.05	ND	ND	ND	ND	ND	ND	ND	4.2	175
08/09/18 05:30 PM	28285	465	2.06	ND	ND	ND	ND	ND	ND	ND	6.4	167
08/09/18 06:00 PM	28360	464	2.06	ND	ND	ND	ND	ND	ND	ND	7.7	154
08/09/18 06:30 PM	28423	458	2.07	ND	ND	ND	ND	ND	ND	ND	7.7	163
08/09/18 07:00 PM	27646	464	2.09	ND	ND	ND	ND	ND	ND	ND	7.8	184
08/09/18 07:30 PM	27858	461	2.09	ND	ND	ND	ND	ND	ND	ND	5.2	178
08/09/18 08:00 PM	27623	461	2.11	ND	ND	ND	ND	ND	ND	ND	4.1	191
08/09/18 08:30 PM	28576	465	2.10	ND	ND	ND	ND	ND	ND	ND	5.9	186
08/09/18 09:00 PM	28739	466	2.06	ND	ND	ND	ND	ND	ND	ND	8.6	182
08/09/18 09:30 PM	28541	458	2.05	ND	ND	ND	ND	ND	ND	ND	6.7	197
08/09/18 10:00 PM	28438	457	2.04	ND	ND	ND	ND	ND	ND	ND	6.4	220
08/09/18 10:30 PM	28739	457	2.05	ND	ND	ND	ND	ND	ND	ND	12.3	221
08/09/18 11:00 PM	29136	457	2.05	ND	ND	ND	ND	ND	ND	ND	8.1	196
08/09/18 11:30 PM	28894	457	2.05	ND	ND	ND	ND	ND	ND	ND	10.9	181
08/10/18 12:00 AM	29055	455	2.11	ND	ND	ND	ND	ND	ND	ND	11.3	173

## Daily Processed Summary (Average, Maximum)

Average	27832	460	2.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.6	158
Maximum Value	29136	466	2.62	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/10/18 12:30 AM	28826	459	2.24	ND	ND	ND	ND	ND	ND	ND	13.2	176
08/10/18 01:00 AM	28678	460	2.42	ND	ND	ND	ND	ND	ND	ND	14.3	181
08/10/18 01:30 AM	28733	460	2.43	ND	ND	ND	ND	ND	ND	ND	9.5	221
08/10/18 02:00 AM	28670	460	2.33	ND	ND	ND	ND	ND	ND	ND	6.9	272
08/10/18 02:30 AM	28411	462	2.10	ND	ND	ND	ND	ND	ND	ND	7.5	310
08/10/18 03:00 AM	28289	459	2.07	ND	ND	ND	ND	ND	ND	ND	5.5	336
08/10/18 03:30 AM	28335	456	2.08	ND	ND	ND	ND	ND	ND	ND	3.7	324
08/10/18 04:00 AM	28802	457	2.08	ND	ND	ND	ND	ND	ND	ND	4.4	306
08/10/18 04:30 AM	29051	458	2.09	ND	ND	ND	ND	ND	ND	ND	4.9	330
08/10/18 05:00 AM	29215	459	2.09	ND	ND	ND	ND	ND	ND	ND	4.4	281
08/10/18 05:30 AM	29419	459	2.08	ND	ND	ND	ND	ND	ND	ND	3.6	240
08/10/18 06:00 AM	29199	459	2.07	ND	ND	ND	ND	ND	ND	ND	4.3	136
08/10/18 06:30 AM	28763	458	2.06	ND	ND	ND	ND	ND	ND	ND	9.6	149
08/10/18 07:00 AM	28485	459	2.07	ND	ND	ND	ND	ND	ND	ND	11.3	136
08/10/18 07:30 AM	28525	459	2.06	ND	ND	ND	ND	ND	ND	ND	12.0	146
08/10/18 08:00 AM	28438	460	2.06	ND	ND	ND	ND	ND	ND	ND	12.3	153
08/10/18 08:30 AM	28465	463	2.06	ND	ND	ND	ND	ND	ND	ND	14.2	140
08/10/18 09:00 AM	28509	462	2.06	ND	ND	ND	ND	ND	ND	ND	12.6	141
08/10/18 09:30 AM	28617	461	2.07	ND	ND	ND	ND	ND	ND	ND	11.1	142
08/10/18 10:00 AM	27927	460	2.06	ND	ND	ND	ND	ND	ND	ND	10.0	139
08/10/18 10:30 AM	27293	460	2.05	ND	ND	ND	ND	ND	ND	ND	10.1	132
08/10/18 11:00 AM	27007	461	2.05	ND	ND	ND	ND	ND	ND	ND	10.2	128
08/10/18 11:30 AM	26850	462	2.05	ND	ND	ND	ND	ND	ND	ND	13.9	135
08/10/18 12:00 PM	26249	461	2.04	ND	ND	ND	ND	ND	ND	ND	15.2	139
08/10/18 12:30 PM	24986	460	2.03	ND	ND	ND	ND	ND	ND	ND	13.1	134
08/10/18 01:00 PM	24679	462	2.04	ND	ND	ND	ND	ND	ND	ND	12.9	137
08/10/18 01:30 PM	24458	462	2.03	ND	ND	ND	ND	ND	ND	ND	13.5	150
08/10/18 02:00 PM	24585	462	2.03	ND	ND	ND	ND	ND	ND	ND	14.1	159
08/10/18 02:30 PM	24191	461	2.03	ND	ND	ND	ND	ND	ND	ND	10.7	169
08/10/18 03:00 PM	23513	460	2.01	ND	ND	ND	ND	ND	ND	ND	11.5	167
08/10/18 03:30 PM	24317	464	2.02	ND	ND	ND	ND	ND	ND	ND	9.9	176
08/10/18 04:00 PM	24736	467	2.03	ND	ND	ND	ND	ND	ND	ND	8.2	182
08/10/18 04:30 PM	25025	465	2.02	ND	ND	ND	ND	ND	ND	ND	7.0	184
08/10/18 05:00 PM	26653	467	2.03	ND	ND	ND	ND	ND	ND	ND	9.1	179
08/10/18 05:30 PM	27571	466	2.06	ND	ND	ND	ND	ND	ND	ND	7.8	185
08/10/18 06:00 PM	27482	463	2.06	ND	ND	ND	ND	ND	ND	ND	6.2	186
08/10/18 06:30 PM	27981	464	2.09	ND	ND	ND	ND	ND	ND	ND	6.9	177
08/10/18 07:00 PM	26988	465	2.09	ND	ND	ND	ND	ND	ND	ND	6.8	180
08/10/18 07:30 PM	26622	463	2.06	ND	ND	ND	ND	ND	ND	ND	5.6	179
08/10/18 08:00 PM	26008	464	2.06	ND	ND	ND	ND	ND	ND	ND	4.8	189
08/10/18 08:30 PM	26356	465	2.05	ND	ND	ND	ND	ND	ND	ND	4.6	192
08/10/18 09:00 PM	26992	461	2.04	ND	ND	ND	ND	ND	ND	ND	4.8	185
08/10/18 09:30 PM	27057	463	2.05	ND	ND	ND	ND	ND	ND	ND	4.6	183
08/10/18 10:00 PM	27682	461	2.05	ND	ND	ND	ND	ND	ND	ND	4.8	181
08/10/18 10:30 PM	27430	463	2.06	ND	ND	ND	ND	ND	ND	ND	3.9	190
08/10/18 11:00 PM	27864	466	2.08	ND	ND	ND	ND	ND	ND	ND	3.8	198
08/10/18 11:30 PM	27869	465	2.09	ND	ND	ND	ND	ND	ND	ND	2.9	198
08/11/18 12:00 AM	27457	460	2.07	ND	ND	ND	ND	ND	ND	ND	3.7	189

## Daily Processed Summary (Average, Maximum)

Average	27276	462	2.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.4	164
Maximum Value	29419	467	2.43	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/11/18 12:30 AM	27444	455	2.06	ND	ND	ND	ND	ND	ND	ND	4.5	186
08/11/18 01:00 AM	27642	458	2.05	ND	ND	ND	ND	ND	ND	ND	5.5	191
08/11/18 01:30 AM	27803	459	2.06	ND	ND	ND	ND	ND	ND	ND	6.5	196
08/11/18 02:00 AM	27906	454	2.06	ND	ND	ND	ND	ND	ND	ND	7.7	191
08/11/18 02:30 AM	27887	456	2.06	ND	ND	ND	ND	ND	ND	ND	8.1	188
08/11/18 03:00 AM	27743	456	2.07	ND	ND	ND	ND	ND	ND	ND	8.4	183
08/11/18 03:30 AM	27668	457	2.06	ND	ND	ND	ND	ND	ND	ND	6.5	185
08/11/18 04:00 AM	27747	459	2.06	ND	ND	ND	ND	ND	ND	ND	6.5	194
08/11/18 04:30 AM	27692	460	2.08	ND	ND	ND	ND	ND	ND	ND	7.1	197
08/11/18 05:00 AM	27668	460	2.08	ND	ND	ND	ND	ND	ND	ND	6.6	192
08/11/18 05:30 AM	27598	463	2.07	ND	ND	ND	ND	ND	ND	ND	8.0	190
08/11/18 06:00 AM	27545	465	2.09	ND	ND	ND	ND	ND	ND	ND	8.9	192
08/11/18 06:30 AM	27524	465	2.12	ND	ND	ND	ND	ND	ND	ND	10.8	178
08/11/18 07:00 AM	28103	481	2.30	ND	ND	ND	ND	ND	ND	ND	11.6	169
08/11/18 07:30 AM	27235	493	2.60	ND	ND	ND	ND	ND	ND	ND	12.2	172
08/11/18 08:00 AM	27319	488	3.62	ND	ND	ND	ND	ND	ND	ND	13.3	169
08/11/18 08:30 AM	27818	481	2.32	ND	ND	ND	ND	ND	ND	ND	14.0	165
08/11/18 09:00 AM	27907	478	2.30	ND	ND	ND	ND	ND	ND	ND	13.6	160
08/11/18 09:30 AM	27613	468	2.18	ND	ND	ND	ND	ND	ND	ND	13.0	161
08/11/18 10:00 AM	27675	465	2.14	ND	ND	ND	ND	ND	ND	ND	11.8	168
08/11/18 10:30 AM	26787	461	2.07	ND	ND	ND	ND	ND	ND	ND	13.0	154
08/11/18 11:00 AM	26857	459	2.07	ND	ND	ND	ND	ND	ND	ND	14.6	151
08/11/18 11:30 AM	26484	455	2.05	ND	ND	ND	ND	ND	ND	ND	14.8	147
08/11/18 12:00 PM	27105	453	2.05	ND	ND	ND	ND	ND	ND	ND	13.3	149
08/11/18 12:30 PM	27379	454	2.06	ND	ND	ND	ND	ND	ND	ND	13.1	141
08/11/18 01:00 PM	27776	455	2.06	ND	ND	ND	ND	ND	ND	ND	11.9	150
08/11/18 01:30 PM	26397	455	2.06	ND	ND	ND	ND	ND	ND	ND	12.3	144
08/11/18 02:00 PM	25403	459	2.06	ND	ND	ND	ND	ND	ND	ND	12.3	133
08/11/18 02:30 PM	26124	457	2.06	ND	ND	ND	ND	ND	ND	ND	13.0	143
08/11/18 03:00 PM	26162	457	2.06	ND	ND	ND	ND	ND	ND	ND	13.8	156
08/11/18 03:30 PM	25787	456	2.06	ND	ND	ND	ND	ND	ND	ND	14.3	159
08/11/18 04:00 PM	26212	463	2.10	ND	ND	ND	ND	ND	ND	ND	11.7	163
08/11/18 04:30 PM	26509	465	2.11	ND	ND	ND	ND	ND	ND	ND	10.7	167
08/11/18 05:00 PM	25828	463	2.07	ND	ND	ND	ND	ND	ND	ND	11.2	170
08/11/18 05:30 PM	26636	471	2.08	ND	ND	ND	ND	ND	ND	ND	13.5	171
08/11/18 06:00 PM	27614	470	2.09	ND	ND	ND	ND	ND	ND	ND	11.0	173
08/11/18 06:30 PM	25281	468	2.08	ND	ND	ND	ND	ND	ND	ND	9.5	179
08/11/18 07:00 PM	24804	463	2.05	ND	ND	ND	ND	ND	ND	ND	11.0	176
08/11/18 07:30 PM	25757	460	2.04	ND	ND	ND	ND	ND	ND	ND	10.8	177
08/11/18 08:00 PM	26747	456	2.04	ND	ND	ND	ND	ND	ND	ND	8.7	178
08/11/18 08:30 PM	25814	457	2.04	ND	ND	ND	ND	ND	ND	ND	8.6	177
08/11/18 09:00 PM	25671	461	2.11	ND	ND	ND	ND	ND	ND	ND	9.3	179
08/11/18 09:30 PM	25572	463	2.12	ND	ND	ND	ND	ND	ND	ND	7.5	182
08/11/18 10:00 PM	25238	463	2.10	ND	ND	ND	ND	ND	ND	ND	6.9	180
08/11/18 10:30 PM	24591	457	2.07	ND	ND	ND	ND	ND	ND	ND	7.6	181
08/11/18 11:00 PM	24638	456	2.07	ND	ND	ND	ND	ND	ND	ND	7.2	180
08/11/18 11:30 PM	24816	460	2.07	ND	ND	ND	ND	ND	ND	ND	6.5	183
08/12/18 12:00 AM	26536	460	2.08	ND	ND	ND	ND	ND	ND	ND	6.3	183

## Daily Processed Summary (Average, Maximum)

Average	26751	462	2.13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.8	168
Maximum Value	28103	493	3.62	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/12/18 12:30 AM											6.6	179
08/12/18 01:00 AM											6.6	177
08/12/18 01:30 AM											6.2	183
08/12/18 02:00 AM											6.2	182
08/12/18 02:30 AM											6.6	180
08/12/18 03:00 AM											6.8	180
08/12/18 03:30 AM											6.6	181
08/12/18 04:00 AM											6.6	186
08/12/18 04:30 AM											6.3	187
08/12/18 05:00 AM											6.7	187
08/12/18 05:30 AM											7.4	202
08/12/18 06:00 AM											7.5	196
08/12/18 06:30 AM											7.7	190
08/12/18 07:00 AM											8.8	198
08/12/18 07:30 AM											8.8	198
08/12/18 08:00 AM											9.9	193
08/12/18 08:30 AM											10.7	189
08/12/18 09:00 AM											9.4	195
08/12/18 09:30 AM											10.1	196
08/12/18 10:00 AM											9.9	201
08/12/18 10:30 AM											9.5	194
08/12/18 11:00 AM	26126	455	1.99	ND	ND	ND	ND	0.001	ND	ND	9.9	183
08/12/18 11:30 AM	25851	459	1.99	ND	ND	ND	ND	0.002	ND	ND	9.9	190
08/12/18 12:00 PM	27216	458	2.02	ND	ND	ND	ND	0.005	ND	ND	9.5	183
08/12/18 12:30 PM	28870	460	2.05	ND	ND	ND	ND	0.005	ND	ND	9.5	181
08/12/18 01:00 PM	28552	461	2.04	ND	ND	0.005	ND	0.000	ND	ND	10.3	178
08/12/18 01:30 PM	27781	461	2.03	ND	ND	0.005	ND	ND	ND	ND	9.9	181
08/12/18 02:00 PM	26711	464	2.01	ND	ND	ND	ND	0.002	0.001	ND	13.3	162
08/12/18 02:30 PM	26890	463	2.01	ND	ND	ND	ND	0.001	ND	ND	14.9	155
08/12/18 03:00 PM	26531	460	2.02	ND	ND	0.013	ND	ND	ND	ND	15.4	155
08/12/18 03:30 PM	27187	459	2.02	ND	ND	ND	ND	ND	ND	ND	15.0	150
08/12/18 04:00 PM	26520	460	2.02	ND	ND	0.005	ND	0.000	ND	ND	15.7	149
08/12/18 04:30 PM	26606	460	2.04	ND	ND	0.004	ND	ND	ND	ND	14.6	154
08/12/18 05:00 PM	26713	460	2.04	ND	ND	0.011	0.002	0.001	ND	ND	15.6	153
08/12/18 05:30 PM	26902	459	2.04	ND	ND	0.021	ND	0.001	ND	ND	15.6	147
08/12/18 06:00 PM	27914	457	2.06	0.001	ND	ND	ND	0.001	ND	ND	15.5	150
08/12/18 06:30 PM	27446	459	2.10	ND	ND	ND	ND	0.001	ND	ND	15.0	148
08/12/18 07:00 PM	27930	456	2.08	ND	ND	0.003	ND	ND	ND	ND	13.8	148
08/12/18 07:30 PM	28380	455	2.07	ND	ND	ND	ND	ND	ND	ND	13.8	157
08/12/18 08:00 PM	28220	455	2.07	ND	ND	ND	ND	ND	ND	0.015	13.2	163
08/12/18 08:30 PM	28422	452	2.03	ND	ND	ND	ND	ND	ND	0.008	11.6	167
08/12/18 09:00 PM	28700	452	2.03	ND	ND	ND	ND	0.000	ND	ND	11.7	162
08/12/18 09:30 PM	29025	454	2.03	ND	ND	ND	ND	0.002	ND	ND	10.7	161
08/12/18 10:00 PM	29214	454	2.04	ND	ND	ND	ND	0.002	ND	ND	11.9	159
08/12/18 10:30 PM	29375	453	2.05	ND	ND	ND	ND	0.001	ND	ND	12.8	155
08/12/18 11:00 PM	29531	454	2.04	0.001	ND	ND	ND	ND	ND	ND	12.2	149
08/12/18 11:30 PM	29645	455	2.07	ND	ND	ND	ND	0.001	ND	ND	11.4	159
08/13/18 12:00 AM	29712	456	2.05	ND	ND	ND	ND	0.001	ND	ND	10.4	168

## Daily Processed Summary (Average, Maximum)

Average	27851	458	2.04	0.000	BDL	0.002	0.000	0.001	0.000	0.001	10.1	170
Maximum Value	29712	464	2.10	0.001	BDL	0.021	0.002	0.005	0.001	0.015		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/13/18 12:30 AM	29935	458	2.07	ND	ND	ND	ND	ND	ND	ND	11.4	173
08/13/18 01:00 AM	29911	470	2.11	ND	ND	0.003	ND	ND	ND	ND	11.3	174
08/13/18 01:30 AM	29744	466	2.07	ND	ND	0.017	ND	ND	ND	ND	12.0	168
08/13/18 02:00 AM	29989	468	2.08	0.001	ND	0.004	ND	ND	ND	ND	11.3	176
08/13/18 02:30 AM	29921	468	2.07	ND	ND	ND	ND	0.002	ND	ND	10.8	178
08/13/18 03:00 AM	29806	460	2.06	ND	ND	ND	ND	0.002	ND	ND	10.5	177
08/13/18 03:30 AM	29561	454	2.04	ND	ND	ND	ND	0.001	ND	ND	9.3	181
08/13/18 04:00 AM	29294	454	2.04	ND	ND	ND	ND	0.001	ND	ND	7.4	185
08/13/18 04:30 AM	29455	454	2.05	ND	ND	0.003	ND	ND	ND	ND	5.3	182
08/13/18 05:00 AM	29557	458	2.05	ND	ND	ND	0.010	ND	0.001	ND	4.5	186
08/13/18 05:30 AM	29857	460	2.05	ND	ND	ND	ND	ND	ND	ND	5.0	183
08/13/18 06:00 AM	29853	462	2.07	ND	ND	0.009	0.003	ND	ND	ND	4.8	185
08/13/18 06:30 AM	30101	472	2.10	ND	ND	ND	0.001	ND	ND	ND	4.2	190
08/13/18 07:00 AM	30013	461	2.07	ND	ND	ND	ND	0.000	0.002	ND	4.1	187
08/13/18 07:30 AM	29295	459	2.07	ND	ND	0.003	ND	ND	ND	ND	4.3	187
08/13/18 08:00 AM	28722	457	2.07	ND	ND	ND	ND	0.001	ND	ND	3.1	233
08/13/18 08:30 AM	29585	455	2.07	ND	ND	ND	ND	0.000	ND	ND	3.1	277
08/13/18 09:00 AM	29370	455	2.07	ND	ND	ND	ND	0.001	ND	ND	3.3	129
08/13/18 09:30 AM	28583	454	2.06	ND	ND	ND	ND	0.001	ND	ND	2.7	278
08/13/18 10:00 AM	28171	455	2.05	ND	ND	ND	ND	0.002	ND	ND	3.9	337
08/13/18 10:30 AM	27217	456	2.05	ND	ND	ND	ND	ND	0.001	ND	3.6	337
08/13/18 11:00 AM	26448	458	2.05	ND	ND	0.010	ND	ND	ND	ND	3.1	287
08/13/18 11:30 AM	26124	459	2.04	ND	ND	ND	ND	0.000	ND	ND	3.5	239
08/13/18 12:00 PM	26234	459	2.04	ND	ND	0.013	ND	0.000	0.001	ND	3.9	269
08/13/18 12:30 PM	26164	460	2.04	ND	ND	ND	ND	0.001	0.002	ND	5.7	206
08/13/18 01:00 PM	26168	460	2.04	ND	ND	ND	ND	0.001	0.002	0.020	7.1	228
08/13/18 01:30 PM	26039	459	2.03	ND	ND	0.004	ND	0.000	ND	ND	8.4	258
08/13/18 02:00 PM	26358	463	2.05	ND	ND	0.004	0.004	0.001	ND	ND	7.1	251
08/13/18 02:30 PM	26470	461	2.04	ND	ND	0.013	0.002	0.001	ND	ND	5.5	278
08/13/18 03:00 PM	25624	459	2.04	ND	ND	0.009	ND	0.001	ND	ND	7.1	282
08/13/18 03:30 PM	26714	465	2.08	ND	ND	ND	ND	ND	0.001	ND	9.2	270
08/13/18 04:00 PM	26739	462	2.06	ND	ND	ND	ND	0.000	ND	0.013	5.3	265
08/13/18 04:30 PM	25816	466	2.07	ND	ND	ND	ND	0.000	ND	ND	7.2	239
08/13/18 05:00 PM	25522	465	2.07	0.001	ND	ND	ND	0.001	ND	ND	6.9	247
08/13/18 05:30 PM	25012	469	2.08	0.001	ND	0.010	ND	0.001	ND	ND	5.1	158
08/13/18 06:00 PM	25203	464	2.04	ND	ND	ND	ND	ND	ND	ND	6.7	98
08/13/18 06:30 PM	26166	465	2.07	ND	ND	0.004	0.002	ND	ND	ND	8.9	211
08/13/18 07:00 PM	25857	463	2.06	ND	ND	ND	ND	0.001	ND	ND	15.5	144
08/13/18 07:30 PM	26860	460	2.05	ND	ND	ND	ND	0.000	ND	ND	19.1	144
08/13/18 08:00 PM	27236	458	2.05	0.001	ND	0.003	ND	ND	ND	ND	17.8	153
08/13/18 08:30 PM	27142	459	2.06	ND	ND	0.006	ND	0.000	ND	ND	16.5	158
08/13/18 09:00 PM	26950	460	2.06	ND	ND	ND	ND	ND	ND	ND	16.0	151
08/13/18 09:30 PM	26664	458	2.06	ND	ND	0.010	ND	0.001	ND	ND	17.8	147
08/13/18 10:00 PM	26350	460	2.06	ND	ND	ND	ND	ND	ND	ND	15.3	153
08/13/18 10:30 PM	26563	459	2.05	ND	ND	ND	ND	ND	ND	ND	14.3	165
08/13/18 11:00 PM	26251	460	2.04	ND	ND	ND	ND	ND	ND	ND	14.1	162
08/13/18 11:30 PM	26543	460	2.05	ND	ND	ND	0.005	ND	ND	ND	12.2	174
08/14/18 12:00 AM	26558	460	2.05	ND	ND	0.004	ND	ND	ND	ND	10.8	173

## Daily Processed Summary (Average, Maximum)

Average	27661	461	2.06	0.000	BDL	0.003	0.001	0.000	0.000	0.001	6.2	181
Maximum Value	30101	472	2.11	0.001	BDL	0.017	0.010	0.002	0.002	0.020		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/14/18 12:30 AM	27134	465	2.08	ND	ND	ND	ND	ND	ND	ND	7.9	174
08/14/18 01:00 AM	26852	476	2.08	ND	ND	0.008	ND	ND	ND	ND	4.7	130
08/14/18 01:30 AM	27219	473	2.08	ND	ND	ND	0.005	ND	ND	ND	2.5	148
08/14/18 02:00 AM	27140	469	2.07	ND	ND	ND	ND	ND	ND	ND	2.0	181
08/14/18 02:30 AM	27132	463	2.05	ND	ND	ND	ND	ND	0.001	ND	4.8	191
08/14/18 03:00 AM	27191	465	2.05	ND	ND	ND	ND	0.000	0.001	ND	7.1	184
08/14/18 03:30 AM	27235	462	2.04	ND	ND	ND	ND	0.001	ND	ND	7.6	170
08/14/18 04:00 AM	27332	460	2.04	ND	ND	ND	ND	0.001	ND	ND	7.8	164
08/14/18 04:30 AM	27897	462	2.05	ND	ND	ND	ND	ND	ND	ND	10.8	151
08/14/18 05:00 AM	27722	461	2.05	0.001	ND	0.005	ND	ND	ND	ND	12.6	153
08/14/18 05:30 AM	27996	465	2.06	ND	ND	ND	ND	ND	ND	ND	13.9	138
08/14/18 06:00 AM	28131	467	2.08	ND	ND	ND	ND	ND	ND	ND	14.6	136
08/14/18 06:30 AM	28152	461	2.05	ND	ND	ND	ND	ND	ND	ND	12.2	147
08/14/18 07:00 AM	28013	457	2.06	ND	ND	ND	ND	ND	ND	ND	11.2	162
08/14/18 07:30 AM	27746	457	2.06	ND	ND	0.005	ND	0.000	ND	ND	11.1	172
08/14/18 08:00 AM	27662	458	2.06	ND	ND	0.003	ND	0.000	ND	ND	10.7	172
08/14/18 08:30 AM	27351	458	2.06	ND	ND	ND	ND	0.000	ND	ND	9.2	178
08/14/18 09:00 AM	27106	460	2.05	ND	ND	ND	ND	ND	ND	ND	10.2	178
08/14/18 09:30 AM	27099	459	2.05	ND	ND	ND	0.002	ND	ND	ND	8.2	181
08/14/18 10:00 AM	26244	460	2.05	ND	ND	ND	ND	0.001	ND	ND	6.9	181
08/14/18 10:30 AM	26349	460	2.05	ND	ND	0.002	ND	0.001	ND	ND	6.4	182
08/14/18 11:00 AM	26401	462	2.05	ND	ND	ND	ND	0.000	ND	ND	7.6	178
08/14/18 11:30 AM	26539	463	2.07	ND	ND	ND	ND	0.000	ND	ND	12.7	158
08/14/18 12:00 PM	26390	465	2.06	ND	ND	ND	0.005	0.002	ND	ND	11.5	151
08/14/18 12:30 PM	26396	463	2.07	ND	ND	ND	0.006	0.002	ND	ND	9.2	159
08/14/18 01:00 PM	26897	467	2.10	ND	ND	ND	0.007	0.002	ND	ND	10.7	155
08/14/18 01:30 PM	27175	464	2.09	ND	ND	ND	0.007	0.002	ND	ND	10.6	152
08/14/18 02:00 PM	27245	467	2.08	ND	ND	0.005	0.005	0.002	ND	ND	10.9	156
08/14/18 02:30 PM	25901	470	2.08	ND	ND	ND	0.003	0.000	0.002	ND	9.9	159
08/14/18 03:00 PM	26057	469	2.06	ND	ND	0.004	ND	0.001	0.001	ND	9.7	170
08/14/18 03:30 PM	26343	466	2.06	ND	ND	0.004	ND	0.001	ND	0.006	9.9	172
08/14/18 04:00 PM	25706	468	2.07	ND	ND	ND	ND	0.001	ND	ND	11.9	171
08/14/18 04:30 PM	26779	465	2.08	ND	ND	ND	ND	0.001	ND	ND	13.7	171
08/14/18 05:00 PM	27201	466	2.08	ND	ND	ND	ND	0.002	ND	ND	15.0	171
08/14/18 05:30 PM	27186	467	2.09	ND	ND	0.008	ND	0.002	ND	ND	15.3	171
08/14/18 06:00 PM	26843	467	2.10	ND	ND	0.004	ND	0.002	ND	ND	15.3	171
08/14/18 06:30 PM	26687	462	2.07	ND	ND	0.007	ND	0.002	ND	ND	16.0	161
08/14/18 07:00 PM	26651	460	2.07	ND	ND	ND	ND	0.001	ND	0.007	14.6	165
08/14/18 07:30 PM	27234	459	2.07	ND	ND	ND	ND	0.002	ND	ND	15.0	151
08/14/18 08:00 PM	26998	459	2.07	ND	ND	ND	ND	0.003	ND	ND	15.8	149
08/14/18 08:30 PM	27387	459	2.08	ND	ND	ND	ND	0.002	ND	ND	16.9	156
08/14/18 09:00 PM	27360	460	2.06	ND	ND	ND	ND	0.002	ND	ND	17.7	157
08/14/18 09:30 PM	27032	465	2.07	ND	ND	ND	ND	0.002	ND	ND	17.1	160
08/14/18 10:00 PM	27196	466	2.07	0.001	ND	ND	ND	0.000	ND	ND	17.1	157
08/14/18 10:30 PM	27318	461	2.06	0.001	ND	ND	ND	0.001	ND	ND	16.2	153
08/14/18 11:00 PM	27342	459	2.05	ND	ND	ND	ND	0.001	ND	0.009	16.9	152
08/14/18 11:30 PM	27369	464	2.07	ND	ND	0.003	0.002	0.000	ND	ND	17.1	158
08/15/18 12:00 AM	27417	466	2.06	ND	ND	ND	ND	0.001	ND	ND	17.5	158

## Daily Processed Summary (Average, Maximum)

Average	27078	463	2.07	0.000	BDL	0.001	0.001	0.001	0.000	0.000	11.3	161
Maximum Value	28152	476	2.10	0.001	BDL	0.008	0.007	0.003	0.002	0.009		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/15/18 12:30 AM	27145	471	2.08	ND	ND	ND	ND	0.002	ND	ND	17.6	158
08/15/18 01:00 AM	27347	472	2.09	ND	ND	ND	ND	0.002	ND	ND	17.1	159
08/15/18 01:30 AM	27775	470	2.08	ND	ND	ND	ND	0.002	ND	ND	16.6	163
08/15/18 02:00 AM	27083	462	2.06	ND	ND	0.004	ND	0.001	ND	ND	14.9	154
08/15/18 02:30 AM	27210	461	2.06	0.001	ND	0.002	ND	ND	ND	ND	15.2	143
08/15/18 03:00 AM	27717	459	2.06	ND	ND	0.004	ND	ND	ND	ND	15.7	144
08/15/18 03:30 AM	27359	460	2.06	ND	ND	0.003	ND	ND	ND	ND	14.7	145
08/15/18 04:00 AM	27288	459	2.06	ND	ND	0.003	ND	0.000	ND	ND	14.7	141
08/15/18 04:30 AM	27200	459	2.07	ND	ND	ND	ND	0.000	0.001	ND	14.1	140
08/15/18 05:00 AM	27118	459	2.07	ND	ND	0.006	ND	0.000	ND	ND	14.9	140
08/15/18 05:30 AM	27535	458	2.07	ND	ND	ND	ND	0.001	ND	ND	11.4	138
08/15/18 06:00 AM	27874	460	2.07	ND	ND	ND	ND	ND	ND	ND	10.5	133
08/15/18 06:30 AM	27757	460	2.07	ND	ND	ND	ND	0.001	ND	ND	11.7	136
08/15/18 07:00 AM	27774	462	2.07	ND	ND	ND	ND	0.001	ND	ND	11.5	132
08/15/18 07:30 AM	27687	463	2.06	ND	ND	0.003	ND	0.001	ND	ND	10.3	128
08/15/18 08:00 AM	28094	461	2.06	ND	ND	ND	0.004	0.001	ND	ND	11.6	130
08/15/18 08:30 AM	28568	459	2.07	ND	ND	ND	ND	0.001	ND	ND	13.0	135
08/15/18 09:00 AM	28414	459	2.07	ND	ND	ND	ND	0.002	ND	ND	14.3	142
08/15/18 09:30 AM	28110	456	2.07	ND	ND	ND	ND	0.002	ND	ND	14.6	141
08/15/18 10:00 AM	27779	458	2.06	ND	ND	ND	ND	0.002	ND	ND	15.6	141
08/15/18 10:30 AM	27667	460	2.06	ND	ND	ND	ND	0.001	ND	ND	14.8	147
08/15/18 11:00 AM	27159	461	2.05	ND	ND	ND	ND	ND	ND	ND	14.8	159
08/15/18 11:30 AM	26507	460	2.05	ND	ND	ND	ND	0.000	ND	ND	14.7	161
08/15/18 12:00 PM	26009	461	2.05	ND	ND	0.004	0.002	0.000	ND	ND	15.9	160
08/15/18 12:30 PM	25887	461	2.05	ND	ND	0.008	0.002	0.001	ND	ND	16.3	158
08/15/18 01:00 PM	25813	461	2.04	ND	ND	ND	ND	0.001	0.001	ND	13.3	165
08/15/18 01:30 PM	25043	462	2.05	ND	ND	ND	ND	0.001	ND	0.008	12.2	176
08/15/18 02:00 PM	24903	460	2.03	ND	ND	ND	ND	0.000	ND	ND	8.7	181
08/15/18 02:30 PM	25125	462	2.04	0.002	ND	ND	ND	0.000	ND	ND	8.1	175
08/15/18 03:00 PM	25210	461	2.04	ND	ND	0.004	ND	ND	ND	ND	9.3	177
08/15/18 03:30 PM	25807	462	2.04	ND	ND	0.013	ND	ND	ND	ND	10.3	174
08/15/18 04:00 PM	26187	462	2.05	ND	ND	0.008	ND	ND	ND	ND	9.1	170
08/15/18 04:30 PM	26951	464	2.06	ND	ND	0.014	ND	ND	ND	ND	10.0	164
08/15/18 05:00 PM	27377	464	2.06	ND	ND	0.005	ND	ND	ND	ND	12.1	160
08/15/18 05:30 PM	27497	465	2.07	ND	ND	ND	ND	ND	ND	ND	10.9	168
08/15/18 06:00 PM	27355	465	2.06	0.001	ND	ND	ND	ND	ND	ND	11.0	168
08/15/18 06:30 PM	26933	465	2.06	0.003	ND	ND	ND	ND	ND	ND	10.7	174
08/15/18 07:00 PM	26732	466	2.06	0.005	ND	ND	ND	ND	ND	ND	9.5	173
08/15/18 07:30 PM	27500	463	2.07	0.006	ND	ND	ND	ND	ND	ND	10.1	176
08/15/18 08:00 PM	27510	466	2.09	0.008	ND	ND	ND	ND	ND	ND	10.8	177
08/15/18 08:30 PM	28206	459	2.07	0.010	ND	ND	ND	ND	ND	ND	12.0	178
08/15/18 09:00 PM	28469	462	2.08	0.010	ND	ND	ND	ND	ND	ND	11.4	181
08/15/18 09:30 PM	28212	469	2.09	0.008	ND	ND	ND	ND	ND	ND	14.1	169
08/15/18 10:00 PM	28398	458	2.07	0.010	ND	ND	ND	ND	ND	ND	13.4	174
08/15/18 10:30 PM	28174	460	2.10	0.010	ND	ND	ND	ND	ND	ND	14.6	172
08/15/18 11:00 PM	28438	461	2.10	0.010	ND	ND	ND	ND	ND	ND	14.4	174
08/15/18 11:30 PM	28515	461	2.08	0.010	ND	ND	ND	ND	ND	ND	14.4	173
08/16/18 12:00 AM	28648	458	2.07	0.007	ND	ND	ND	ND	ND	ND	14.5	171

## Daily Processed Summary (Average, Maximum)

Average	27272	462	2.07	0.002	BDL	0.002	0.000	0.000	0.000	0.000	12.5	157
Maximum Value	28648	472	2.10	0.010	BDL	0.014	0.004	0.002	0.001	0.008		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/16/18 12:30 AM	28656	457	2.08	0.007	ND	ND	ND	ND	ND	ND	14.9	168
08/16/18 01:00 AM	28693	455	2.08	0.003	ND	ND	ND	ND	ND	ND	14.6	169
08/16/18 01:30 AM	28975	455	2.08	0.007	ND	ND	ND	ND	ND	ND	14.2	169
08/16/18 02:00 AM	28643	456	2.07	0.007	ND	ND	ND	ND	ND	ND	14.4	170
08/16/18 02:30 AM	28396	455	2.08	0.003	ND	ND	ND	ND	ND	ND	15.0	169
08/16/18 03:00 AM	28613	455	2.07	0.006	ND	ND	ND	ND	ND	ND	15.4	171
08/16/18 03:30 AM	28835	455	2.07	0.006	ND	ND	ND	ND	ND	ND	16.5	166
08/16/18 04:00 AM	28697	455	2.08	0.006	ND	ND	ND	ND	ND	ND	15.8	152
08/16/18 04:30 AM	28825	456	2.08	0.011	ND	ND	ND	ND	ND	ND	15.3	153
08/16/18 05:00 AM	28952	456	2.07	0.004	ND	ND	ND	ND	ND	ND	15.3	158
08/16/18 05:30 AM	29141	453	2.07	0.004	ND	ND	ND	ND	ND	ND	15.8	148
08/16/18 06:00 AM	29307	455	2.08	ND	ND	ND	ND	ND	ND	ND	15.1	150
08/16/18 06:30 AM	29596	455	2.08	0.004	ND	ND	ND	ND	ND	ND	14.6	148
08/16/18 07:00 AM	29700	453	2.08	ND	ND	ND	ND	ND	ND	ND	14.4	162
08/16/18 07:30 AM	29605	456	2.08	ND	ND	ND	ND	ND	ND	ND	14.4	152
08/16/18 08:00 AM	29747	456	2.08	ND	ND	ND	ND	ND	ND	ND	13.4	150
08/16/18 08:30 AM	29838	456	2.09	ND	ND	ND	ND	ND	ND	ND	13.6	149
08/16/18 09:00 AM	29578	456	2.09	ND	ND	ND	0.002	ND	ND	ND	13.9	141
08/16/18 09:30 AM	29631	456	2.09	ND	ND	ND	ND	ND	ND	ND	12.7	139
08/16/18 10:00 AM	29583	456	2.09	ND	ND	0.004	ND	ND	ND	ND	13.5	139
08/16/18 10:30 AM	29199	457	2.09	ND	ND	ND	ND	ND	ND	ND	13.2	143
08/16/18 11:00 AM	28958	460	2.08	ND	ND	ND	ND	ND	ND	ND	13.5	138
08/16/18 11:30 AM	28169	462	2.08	ND	ND	0.004	ND	ND	ND	ND	12.6	138
08/16/18 12:00 PM	28178	462	2.08	ND	ND	0.010	ND	ND	ND	ND	13.7	138
08/16/18 12:30 PM	28039	465	2.09	ND	ND	ND	ND	ND	0.004	ND	14.6	139
08/16/18 01:00 PM	28296	467	2.08	ND	ND	ND	ND	ND	ND	ND	16.3	140
08/16/18 01:30 PM	28651	468	2.09	ND	ND	0.005	ND	ND	ND	ND	16.0	140
08/16/18 02:00 PM	28563	467	2.08	ND	ND	ND	ND	ND	ND	ND	16.3	138
08/16/18 02:30 PM											16.0	138
08/16/18 03:00 PM											15.3	146
08/16/18 03:30 PM	27630	463	2.08	ND	ND	ND	ND	ND	ND	ND	17.8	158
08/16/18 04:00 PM	28032	467	2.08	ND	ND	ND	0.003	ND	ND	ND	15.4	158
08/16/18 04:30 PM	27482	468	2.10	0.001	ND	ND	ND	ND	ND	ND	16.3	160
08/16/18 05:00 PM	26581	464	2.06	ND	ND	ND	ND	ND	ND	ND	14.8	164
08/16/18 05:30 PM	25671	465	2.06	ND	ND	ND	ND	ND	ND	ND	14.6	163
08/16/18 06:00 PM	28414	469	2.11	ND	ND	ND	ND	ND	ND	ND	15.4	166
08/16/18 06:30 PM	29772	465	2.10	ND	ND	0.003	ND	ND	ND	ND	14.6	169
08/16/18 07:00 PM	27372	461	2.06	ND	ND	ND	ND	ND	ND	ND	14.7	168
08/16/18 07:30 PM	28162	465	2.07	ND	ND	ND	ND	ND	ND	ND	15.0	167
08/16/18 08:00 PM	27556	462	2.06	ND	ND	ND	ND	ND	ND	ND	15.3	164
08/16/18 08:30 PM	28284	459	2.06	ND	ND	0.003	ND	ND	ND	ND	16.0	166
08/16/18 09:00 PM	29076	463	2.07	ND	ND	ND	ND	ND	ND	ND	13.0	162
08/16/18 09:30 PM	29376	465	2.08	0.001	ND	0.005	ND	ND	ND	ND	14.5	163
08/16/18 10:00 PM	29168	463	2.07	ND	ND	0.004	ND	ND	ND	ND	14.4	171
08/16/18 10:30 PM	28628	461	2.07	ND	ND	0.004	ND	ND	ND	ND	11.2	177
08/16/18 11:00 PM	28344	461	2.10	ND	ND	0.003	ND	ND	ND	ND	9.5	178
08/16/18 11:30 PM	28338	461	2.14	ND	ND	ND	ND	ND	ND	ND	8.5	179
08/17/18 12:00 AM	27981	460	2.07	ND	ND	0.007	ND	ND	ND	ND	7.9	181

## Daily Processed Summary (Average, Maximum)

Average	28629	460	2.08	0.001	BDL	0.001	0.000	BDL	0.000	BDL	14.0	156
Maximum Value	29838	469	2.14	0.011	BDL	0.010	0.003	BDL	0.004	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/17/18 12:30 AM	28231	461	2.10	ND	ND	0.019	ND	ND	ND	ND	9.6	177
08/17/18 01:00 AM	28379	460	2.09	ND	ND	0.010	ND	ND	ND	ND	10.7	177
08/17/18 01:30 AM	28561	461	2.08	0.001	ND	ND	ND	ND	ND	ND	10.9	181
08/17/18 02:00 AM	28729	460	2.09	ND	ND	0.012	ND	ND	ND	ND	11.9	177
08/17/18 02:30 AM	28768	459	2.08	ND	ND	0.007	0.002	ND	ND	ND	12.6	170
08/17/18 03:00 AM	28798	459	2.09	ND	ND	ND	ND	ND	ND	ND	12.3	175
08/17/18 03:30 AM	28413	460	2.09	ND	ND	0.004	ND	ND	ND	ND	13.2	170
08/17/18 04:00 AM	28351	460	2.09	ND	ND	0.023	ND	ND	ND	ND	12.0	165
08/17/18 04:30 AM	28585	460	2.07	ND	ND	0.004	ND	ND	ND	ND	13.3	157
08/17/18 05:00 AM	28734	460	2.08	ND	ND	0.003	ND	ND	ND	ND	14.0	157
08/17/18 05:30 AM	28749	459	2.07	ND	ND	0.009	ND	ND	ND	ND	14.0	152
08/17/18 06:00 AM	28631	459	2.07	ND	ND	ND	ND	ND	ND	ND	14.8	150
08/17/18 06:30 AM	28718	459	2.10	ND	ND	ND	ND	ND	ND	ND	15.1	147
08/17/18 07:00 AM	28795	460	2.10	ND	ND	ND	0.002	ND	ND	ND	15.7	153
08/17/18 07:30 AM	28720	462	2.09	ND	ND	0.004	ND	ND	ND	ND	18.7	141
08/17/18 08:00 AM	28830	461	2.10	ND	ND	ND	ND	ND	0.002	ND	16.7	148
08/17/18 08:30 AM	28854	460	2.10	ND	ND	ND	ND	ND	0.002	ND	15.6	145
08/17/18 09:00 AM	28104	460	2.08	ND	ND	ND	ND	ND	0.003	ND	15.2	145
08/17/18 09:30 AM	27274	461	2.09	ND	ND	ND	ND	ND	0.001	ND	15.7	151
08/17/18 10:00 AM	27378	461	2.08	ND	ND	ND	ND	ND	0.002	ND	16.0	155
08/17/18 10:30 AM	27556	461	2.08	ND	ND	ND	ND	ND	0.001	ND	14.7	141
08/17/18 11:00 AM	25681	463	2.08	ND	ND	ND	ND	ND	0.006	ND	14.2	145
08/17/18 11:30 AM	25528	463	2.06	ND	ND	ND	ND	ND	0.005	ND	14.8	150
08/17/18 12:00 PM	25224	464	2.06	ND	ND	ND	ND	ND	0.009	ND	13.6	145
08/17/18 12:30 PM	25180	465	2.06	ND	ND	ND	ND	ND	0.011	ND	13.2	143
08/17/18 01:00 PM	25528	465	2.06	ND	ND	ND	ND	ND	0.005	ND	13.2	141
08/17/18 01:30 PM	26219	469	2.08	ND	ND	ND	ND	ND	0.002	ND	13.8	141
08/17/18 02:00 PM	26016	469	2.07	ND	ND	ND	ND	ND	0.002	ND	12.5	137
08/17/18 02:30 PM	25588	469	2.06	ND	ND	ND	ND	ND	ND	ND	13.5	139
08/17/18 03:00 PM	25674	469	2.08	ND	ND	0.002	ND	0.000	0.001	0.014	12.3	139
08/17/18 03:30 PM	25985	470	2.08	ND	ND	0.008	ND	0.000	ND	ND	13.7	139
08/17/18 04:00 PM	25946	472	2.08	ND	ND	ND	ND	ND	ND	ND	11.8	137
08/17/18 04:30 PM	26069	473	2.08	ND	ND	0.004	0.004	0.002	0.001	ND	9.9	148
08/17/18 05:00 PM	25925	474	2.09	ND	ND	0.007	0.002	0.002	ND	ND	11.5	140
08/17/18 05:30 PM	26124	473	2.10	ND	ND	0.006	0.005	0.002	ND	ND	13.4	137
08/17/18 06:00 PM	26549	471	2.09	ND	ND	0.006	0.005	0.002	ND	ND	13.5	136
08/17/18 06:30 PM	26133	468	2.08	ND	ND	ND	0.003	0.001	ND	ND	12.1	155
08/17/18 07:00 PM	25931	463	2.05	ND	ND	ND	ND	0.002	ND	ND	12.5	166
08/17/18 07:30 PM	26396	463	2.06	ND	ND	ND	0.003	0.001	ND	ND	13.2	158
08/17/18 08:00 PM	26290	464	2.06	ND	ND	ND	ND	ND	ND	ND	12.9	146
08/17/18 08:30 PM	26808	461	2.06	0.001	ND	ND	ND	ND	ND	ND	12.7	160
08/17/18 09:00 PM	26927	461	2.05	ND	ND	ND	ND	ND	ND	ND	12.6	164
08/17/18 09:30 PM	27567	463	2.07	0.002	ND	ND	ND	ND	ND	ND	11.8	172
08/17/18 10:00 PM	27433	462	2.07	0.001	ND	ND	ND	ND	ND	ND	11.4	173
08/17/18 10:30 PM	27347	461	2.07	ND	ND	ND	ND	ND	ND	ND	11.2	172
08/17/18 11:00 PM	27652	462	2.07	ND	ND	ND	ND	ND	ND	ND	9.9	178
08/17/18 11:30 PM	27865	463	2.06	ND	ND	ND	ND	ND	ND	ND	10.1	180
08/18/18 12:00 AM	28098	462	2.07	0.003	ND	ND	ND	ND	ND	ND	9.5	178

## Daily Processed Summary (Average, Maximum)

Average	27267	463	2.08	0.000	BDL	0.003	0.001	0.000	0.001	0.000	12.7	154
Maximum Value	28854	474	2.10	0.003	BDL	0.023	0.005	0.002	0.011	0.014		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/18/18 12:30 AM	28409	462	2.07	0.003	ND	ND	ND	ND	ND	ND	9.7	178
08/18/18 01:00 AM	28266	462	2.06	0.001	ND	ND	ND	ND	ND	ND	9.5	177
08/18/18 01:30 AM	28573	460	2.07	0.001	ND	ND	ND	ND	ND	ND	8.2	179
08/18/18 02:00 AM	28792	460	2.08	ND	ND	ND	ND	ND	ND	ND	7.6	180
08/18/18 02:30 AM	28911	459	2.08	ND	ND	ND	ND	ND	ND	ND	6.3	178
08/18/18 03:00 AM	28617	460	2.09	ND	ND	ND	ND	ND	ND	ND	5.7	178
08/18/18 03:30 AM	28446	460	2.09	ND	ND	ND	ND	ND	ND	ND	7.1	176
08/18/18 04:00 AM	28806	460	2.08	ND	ND	ND	ND	ND	ND	ND	6.8	178
08/18/18 04:30 AM	29058	460	2.09	ND	ND	ND	ND	ND	ND	ND	6.6	181
08/18/18 05:00 AM	28895	459	2.08	ND	ND	ND	ND	ND	ND	ND	7.1	181
08/18/18 05:30 AM	28874	460	2.08	0.003	ND	ND	ND	ND	ND	ND	8.9	175
08/18/18 06:00 AM	28642	459	2.09	0.002	ND	ND	ND	ND	ND	ND	10.0	168
08/18/18 06:30 AM	28800	461	2.08	0.005	ND	ND	ND	ND	ND	ND	9.9	173
08/18/18 07:00 AM	28696	463	2.08	ND	ND	ND	ND	ND	ND	ND	10.3	175
08/18/18 07:30 AM	28909	464	2.08	ND	ND	ND	ND	ND	ND	ND	9.3	205
08/18/18 08:00 AM	29288	460	2.08	ND	ND	ND	ND	ND	ND	ND	9.1	207
08/18/18 08:30 AM	29589	461	2.13	ND	ND	ND	ND	ND	ND	ND	10.0	194
08/18/18 09:00 AM	29340	463	2.11	ND	ND	ND	ND	ND	ND	ND	11.4	198
08/18/18 09:30 AM	29153	464	2.10	ND	ND	ND	ND	0.001	ND	ND	11.6	200
08/18/18 10:00 AM	28767	464	2.11	ND	ND	ND	ND	0.001	ND	ND	11.0	197
08/18/18 10:30 AM	28085	462	2.10	ND	ND	ND	ND	0.001	ND	ND	10.3	191
08/18/18 11:00 AM	27320	464	2.07	ND	ND	0.003	ND	0.001	0.001	ND	11.2	190
08/18/18 11:30 AM	26830	464	2.07	ND	ND	0.008	ND	ND	ND	ND	11.5	189
08/18/18 12:00 PM	26275	464	2.07	ND	ND	0.024	ND	ND	ND	ND	11.9	191
08/18/18 12:30 PM	25326	467	2.06	0.001	ND	0.010	ND	0.000	ND	ND	11.5	194
08/18/18 01:00 PM	25328	465	2.05	ND	ND	0.004	ND	0.001	ND	ND	12.5	181
08/18/18 01:30 PM	24627	464	2.05	ND	ND	ND	ND	ND	ND	ND	13.6	174
08/18/18 02:00 PM	23863	466	2.05	ND	ND	0.006	ND	ND	0.001	ND	12.9	170
08/18/18 02:30 PM	22694	464	2.04	ND	ND	0.031	ND	ND	ND	0.008	12.7	165
08/18/18 03:00 PM	22149	466	2.04	ND	ND	0.006	ND	0.001	ND	ND	13.1	158
08/18/18 03:30 PM	24307	465	2.04	ND	ND	0.010	ND	ND	ND	ND	13.1	152
08/18/18 04:00 PM	25628	467	2.05	ND	ND	0.004	0.004	ND	ND	ND	15.2	142
08/18/18 04:30 PM	25425	467	2.05	0.001	ND	0.012	ND	ND	ND	ND	15.2	157
08/18/18 05:00 PM	25601	464	2.05	ND	ND	ND	ND	0.001	ND	ND	13.6	154
08/18/18 05:30 PM	26140	465	2.06	ND	ND	0.004	ND	0.001	ND	ND	13.8	153
08/18/18 06:00 PM	26451	464	2.06	ND	ND	0.009	0.007	ND	ND	ND	13.5	149
08/18/18 06:30 PM	27224	463	2.06	ND	ND	0.009	ND	ND	ND	ND	13.6	142
08/18/18 07:00 PM	27412	462	2.06	ND	ND	0.008	ND	0.000	ND	ND	12.3	147
08/18/18 07:30 PM	26393	465	2.05	ND	ND	0.028	ND	0.001	ND	ND	14.9	141
08/18/18 08:00 PM	26692	464	2.06	ND	ND	0.004	ND	ND	ND	ND	15.0	138
08/18/18 08:30 PM	27841	460	2.05	ND	ND	ND	ND	ND	ND	ND	13.6	145
08/18/18 09:00 PM	27962	459	2.05	ND	ND	0.004	ND	0.001	ND	ND	13.4	165
08/18/18 09:30 PM	28264	459	2.05	ND	ND	0.003	ND	0.000	ND	ND	13.8	173
08/18/18 10:00 PM	28713	460	2.05	0.001	ND	0.010	ND	0.002	ND	ND	12.9	169
08/18/18 10:30 PM	28573	460	2.06	ND	ND	ND	ND	0.000	ND	ND	12.5	168
08/18/18 11:00 PM	28154	460	2.06	ND	ND	0.007	ND	0.000	ND	ND	11.2	166
08/18/18 11:30 PM	28254	458	2.07	ND	ND	0.006	ND	ND	ND	ND	12.0	172
08/19/18 12:00 AM	28210	459	2.07	ND	ND	ND	ND	0.002	ND	ND	12.6	175

## Daily Processed Summary (Average, Maximum)

Average	27429	462	2.07	0.000	BDL	0.004	0.000	0.000	0.000	0.000	10.7	170
Maximum Value	29589	467	2.13	0.005	BDL	0.031	0.007	0.002	0.001	0.008		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/19/18 12:30 AM	28961	459	2.08	ND	ND	0.009	ND	0.001	ND	ND	11.2	179
08/19/18 01:00 AM	28903	460	2.08	ND	ND	0.008	ND	0.001	ND	ND	10.7	177
08/19/18 01:30 AM	28851	460	2.09	ND	ND	ND	ND	0.000	ND	ND	11.5	177
08/19/18 02:00 AM	29046	459	2.09	ND	ND	0.002	ND	0.000	ND	ND	11.4	176
08/19/18 02:30 AM	29087	458	2.09	ND	ND	ND	ND	ND	ND	ND	10.6	177
08/19/18 03:00 AM	29043	458	2.09	ND	ND	ND	ND	ND	ND	ND	10.2	176
08/19/18 03:30 AM	28887	459	2.08	ND	ND	ND	ND	0.000	ND	ND	9.8	176
08/19/18 04:00 AM	29097	459	2.09	ND	ND	ND	ND	0.000	ND	ND	10.1	177
08/19/18 04:30 AM	29070	457	2.07	ND	ND	0.005	ND	ND	ND	ND	10.0	179
08/19/18 05:00 AM	28697	457	2.08	ND	ND	0.003	ND	0.000	0.001	ND	9.3	178
08/19/18 05:30 AM	28328	458	2.07	ND	ND	ND	ND	ND	ND	ND	7.6	178
08/19/18 06:00 AM	28070	457	2.08	ND	ND	ND	ND	0.000	ND	ND	7.4	177
08/19/18 06:30 AM	28220	458	2.09	ND	ND	ND	ND	0.000	0.001	ND	7.5	177
08/19/18 07:00 AM	28317	459	2.08	ND	ND	0.010	ND	0.002	ND	ND	7.1	176
08/19/18 07:30 AM	28264	458	2.07	ND	ND	ND	ND	0.001	ND	ND	7.2	179
08/19/18 08:00 AM	28532	459	2.09	ND	ND	ND	ND	0.001	ND	ND	6.7	178
08/19/18 08:30 AM	28779	459	2.08	ND	ND	ND	ND	ND	ND	ND	7.1	176
08/19/18 09:00 AM	28926	459	2.08	ND	ND	ND	ND	ND	ND	ND	7.0	175
08/19/18 09:30 AM	28592	460	2.09	ND	ND	ND	ND	ND	ND	ND	7.2	177
08/19/18 10:00 AM	27853	460	2.08	ND	ND	ND	ND	ND	ND	ND	7.3	175
08/19/18 10:30 AM	27433	462	2.08	ND	ND	ND	ND	ND	ND	ND	6.7	178
08/19/18 11:00 AM	27125	461	2.08	ND	ND	ND	ND	ND	ND	ND	7.6	177
08/19/18 11:30 AM	26931	461	2.07	ND	ND	ND	ND	ND	ND	ND	8.3	173
08/19/18 12:00 PM	26713	461	2.07	ND	ND	ND	ND	ND	ND	ND	6.9	180
08/19/18 12:30 PM	27026	461	2.07	ND	ND	ND	ND	ND	ND	ND	6.4	198
08/19/18 01:00 PM	27177	462	2.08	ND	ND	ND	ND	ND	ND	ND	7.8	186
08/19/18 01:30 PM	26903	462	2.08	ND	ND	ND	ND	ND	ND	ND	9.8	169
08/19/18 02:00 PM	26127	462	2.07	ND	ND	ND	ND	ND	ND	ND	10.6	172
08/19/18 02:30 PM	25540	463	2.07	ND	ND	ND	ND	ND	ND	ND	11.2	173
08/19/18 03:00 PM	25435	464	2.07	ND	ND	ND	ND	ND	ND	ND	12.4	158
08/19/18 03:30 PM	25098	464	2.07	ND	ND	ND	ND	ND	ND	ND	12.1	140
08/19/18 04:00 PM	25343	465	2.07	ND	ND	ND	ND	ND	ND	ND	12.5	144
08/19/18 04:30 PM	26893	466	2.08	ND	ND	ND	ND	ND	ND	ND	13.3	144
08/19/18 05:00 PM	25474	463	2.10	ND	ND	ND	ND	ND	0.001	ND	14.3	145
08/19/18 05:30 PM	25603	466	2.07	ND	ND	ND	ND	ND	ND	ND	15.0	158
08/19/18 06:00 PM	26906	466	2.07	ND	ND	ND	ND	ND	ND	ND	15.6	162
08/19/18 06:30 PM	27622	464	2.07	ND	ND	ND	ND	ND	ND	ND	15.0	162
08/19/18 07:00 PM	27305	463	2.06	ND	ND	ND	ND	ND	ND	ND	15.6	153
08/19/18 07:30 PM	27221	464	2.07	ND	ND	ND	ND	ND	ND	ND	16.4	153
08/19/18 08:00 PM	27128	462	2.07	ND	ND	ND	ND	ND	ND	ND	16.0	169
08/19/18 08:30 PM	26762	459	2.07	ND	ND	ND	ND	ND	ND	ND	14.8	161
08/19/18 09:00 PM	26863	460	2.06	ND	ND	ND	ND	ND	ND	ND	15.2	163
08/19/18 09:30 PM	28141	463	2.07	ND	ND	ND	ND	ND	ND	ND	15.5	150
08/19/18 10:00 PM	28350	463	2.08	ND	ND	ND	ND	ND	ND	ND	14.4	146
08/19/18 10:30 PM	28561	465	2.10	ND	ND	ND	ND	ND	ND	ND	15.3	162
08/19/18 11:00 PM	28511	464	2.11	ND	ND	ND	ND	ND	ND	ND	15.9	163
08/19/18 11:30 PM	28033	462	2.07	ND	ND	ND	ND	ND	ND	ND	15.3	162
08/20/18 12:00 AM	28303	462	2.07	ND	ND	ND	ND	ND	ND	ND	14.9	168

## Daily Processed Summary (Average, Maximum)

Average	27668	461	2.08	BDL	BDL	0.001	BDL	0.000	0.000	BDL	10.8	166
Maximum Value	29097	466	2.11	BDL	BDL	0.010	BDL	0.002	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/20/18 12:30 AM	28182	460	2.07	ND	ND	ND	ND	ND	ND	ND	13.0	171
08/20/18 01:00 AM	28228	459	2.10	ND	ND	ND	ND	ND	0.001	ND	13.5	168
08/20/18 01:30 AM	28367	460	2.31	ND	ND	ND	ND	ND	0.003	ND	14.1	163
08/20/18 02:00 AM	28286	459	2.12	ND	ND	ND	ND	ND	ND	ND	13.2	165
08/20/18 02:30 AM	28286	459	2.09	0.001	ND	ND	ND	0.000	ND	ND	14.7	170
08/20/18 03:00 AM	28618	461	2.09	ND	ND	ND	ND	ND	ND	ND	12.4	173
08/20/18 03:30 AM	28902	460	2.09	0.001	ND	0.002	ND	0.001	ND	ND	11.1	177
08/20/18 04:00 AM	29137	458	2.09	0.001	ND	ND	ND	ND	ND	ND	10.6	177
08/20/18 04:30 AM	28806	459	2.10	ND	ND	ND	ND	ND	ND	ND	9.1	179
08/20/18 05:00 AM	28670	460	2.10	ND	ND	ND	0.002	0.000	ND	ND	8.8	178
08/20/18 05:30 AM	29023	459	2.30	0.001	ND	0.004	ND	0.001	0.001	ND	7.2	180
08/20/18 06:00 AM	29214	459	2.48	ND	ND	ND	ND	ND	0.001	ND	7.9	181
08/20/18 06:30 AM	29036	460	2.19	ND	ND	ND	ND	0.001	0.002	ND	7.8	182
08/20/18 07:00 AM	29090	460	2.11	ND	ND	ND	ND	0.001	0.001	ND	7.2	181
08/20/18 07:30 AM	29774	459	2.09	ND	ND	0.004	ND	0.001	ND	ND	7.6	179
08/20/18 08:00 AM	29507	458	2.09	ND	ND	0.004	ND	ND	ND	ND	6.9	177
08/20/18 08:30 AM	29073	459	2.08	ND	ND	0.006	ND	ND	0.001	ND	6.7	181
08/20/18 09:00 AM	28959	459	2.09	ND	ND	ND	ND	ND	0.001	ND	6.7	181
08/20/18 09:30 AM	29026	458	2.10	ND	ND	ND	ND	ND	ND	ND	6.7	176
08/20/18 10:00 AM	28766	460	2.08	ND	ND	ND	ND	ND	ND	ND	6.7	176
08/20/18 10:30 AM	27220	461	2.07	ND	ND	ND	ND	ND	0.006	ND	6.2	176
08/20/18 11:00 AM	26162	462	2.06	ND	ND	ND	ND	ND	0.002	ND	5.8	176
08/20/18 11:30 AM	25528	459	2.06	ND	ND	ND	ND	ND	ND	ND	5.9	177
08/20/18 12:00 PM	25386	459	2.04	ND	ND	ND	ND	ND	ND	ND	5.4	179
08/20/18 12:30 PM	24972	462	2.05	ND	ND	ND	ND	ND	0.010	ND	5.4	178
08/20/18 01:00 PM	25342	463	2.05	ND	ND	ND	ND	ND	0.009	ND	5.7	176
08/20/18 01:30 PM	24942	461	2.04	ND	ND	ND	ND	ND	0.008	ND	5.5	175
08/20/18 02:00 PM	24804	461	2.05	ND	ND	ND	ND	ND	0.009	ND	5.6	177
08/20/18 02:30 PM	25535	462	2.06	ND	ND	ND	ND	ND	0.002	ND	5.6	183
08/20/18 03:00 PM	25107	461	2.06	ND	ND	ND	ND	ND	0.005	ND	7.1	173
08/20/18 03:30 PM	25398	463	2.06	ND	ND	ND	ND	ND	0.004	ND	8.8	173
08/20/18 04:00 PM	26301	463	2.05	ND	ND	ND	ND	ND	0.004	ND	8.4	175
08/20/18 04:30 PM	25365	461	2.05	ND	ND	ND	ND	ND	ND	ND	7.7	173
08/20/18 05:00 PM	25065	463	2.05	ND	ND	ND	ND	ND	0.005	ND	6.3	199
08/20/18 05:30 PM	25168	462	2.06	ND	ND	ND	ND	ND	0.002	ND	6.2	195
08/20/18 06:00 PM	26262	461	2.06	ND	ND	ND	ND	ND	0.007	ND	7.6	183
08/20/18 06:30 PM	26636	461	2.07	ND	ND	ND	ND	ND	0.003	ND	9.1	170
08/20/18 07:00 PM	26159	460	2.07	ND	ND	ND	ND	ND	ND	ND	8.7	171
08/20/18 07:30 PM	26553	461	2.08	ND	ND	ND	ND	ND	0.003	ND	8.4	175
08/20/18 08:00 PM	27245	460	2.07	ND	ND	ND	ND	ND	ND	ND	8.1	182
08/20/18 08:30 PM	27707	459	2.07	ND	ND	ND	ND	ND	ND	ND	9.4	161
08/20/18 09:00 PM	27264	459	2.07	ND	ND	ND	0.002	ND	ND	ND	9.9	153
08/20/18 09:30 PM	27984	459	2.08	ND	ND	0.002	0.002	0.000	0.001	ND	10.5	149
08/20/18 10:00 PM	28289	458	2.09	ND	ND	ND	ND	ND	ND	0.009	11.2	143
08/20/18 10:30 PM	28407	459	2.09	ND	ND	ND	ND	0.000	0.001	ND	11.8	147
08/20/18 11:00 PM	28365	459	2.09	0.001	ND	ND	ND	ND	ND	ND	12.4	151
08/20/18 11:30 PM	28805	458	2.09	ND	ND	ND	ND	0.000	0.001	ND	13.0	156
08/21/18 12:00 AM	29320	457	2.09	ND	ND	0.006	ND	ND	ND	ND	13.0	152

## Daily Processed Summary (Average, Maximum)

Average	27463	460	2.10	0.000	BDL	0.001	0.000	0.000	0.002	0.000	8.6	171
Maximum Value	29774	463	2.48	0.001	BDL	0.006	0.002	0.001	0.010	0.009		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/21/18 12:30 AM	29456	456	2.09	ND	ND	ND	ND	0.000	ND	ND	12.5	153
08/21/18 01:00 AM	29701	455	2.09	ND	ND	ND	ND	ND	ND	ND	13.3	152
08/21/18 01:30 AM	29505	456	2.09	ND	ND	0.003	ND	ND	ND	ND	13.8	153
08/21/18 02:00 AM	29471	457	2.09	0.000	ND	ND	ND	ND	ND	ND	14.0	160
08/21/18 02:30 AM	29528	458	2.09	ND	ND	0.004	ND	ND	ND	ND	15.1	155
08/21/18 03:00 AM	29514	458	2.09	ND	ND	0.011	ND	0.000	ND	ND	13.9	163
08/21/18 03:30 AM	29689	459	2.11	ND	ND	ND	ND	0.000	ND	ND	13.3	164
08/21/18 04:00 AM	29889	458	2.11	ND	ND	ND	ND	ND	ND	ND	14.3	167
08/21/18 04:30 AM	29884	459	2.12	ND	ND	0.013	ND	0.002	ND	ND	13.7	164
08/21/18 05:00 AM	30033	459	2.11	ND	ND	ND	ND	0.003	ND	ND	11.9	174
08/21/18 05:30 AM	30013	457	2.09	ND	ND	0.004	ND	0.003	ND	ND	10.4	175
08/21/18 06:00 AM	29580	457	2.09	ND	ND	0.003	ND	0.002	ND	ND	12.1	172
08/21/18 06:30 AM	29641	458	2.09	ND	ND	ND	ND	0.002	ND	ND	10.5	170
08/21/18 07:00 AM	29677	459	2.09	ND	ND	ND	0.002	0.001	ND	ND	9.6	180
08/21/18 07:30 AM	29619	461	2.10	ND	ND	ND	ND	0.001	ND	ND	8.0	184
08/21/18 08:00 AM	29722	460	2.10	ND	ND	ND	ND	0.001	ND	ND	7.2	182
08/21/18 08:30 AM	30034	456	2.10	ND	ND	ND	ND	0.001	ND	ND	8.2	174
08/21/18 09:00 AM	30179	458	2.11	ND	ND	ND	ND	0.000	ND	ND	9.9	173
08/21/18 09:30 AM	29942	459	2.12	ND	ND	ND	ND	0.001	ND	ND	10.3	171
08/21/18 10:00 AM	28321	459	2.10	ND	ND	ND	ND	0.002	ND	ND	10.4	170
08/21/18 10:30 AM	27116	460	2.09	ND	ND	ND	ND	0.001	ND	ND	11.4	174
08/21/18 11:00 AM	26469	460	2.09	ND	ND	0.010	ND	ND	ND	ND	10.0	176
08/21/18 11:30 AM	26426	462	2.09	0.001	ND	0.006	ND	0.000	ND	ND	9.1	181
08/21/18 12:00 PM	26159	462	2.10	0.001	ND	ND	ND	0.000	ND	ND	8.6	181
08/21/18 12:30 PM	25431	464	2.09	0.001	ND	0.002	ND	0.000	ND	ND	8.7	179
08/21/18 01:00 PM	24131	462	2.08	ND	ND	0.014	ND	ND	ND	ND	7.2	180
08/21/18 01:30 PM	23570	463	2.08	ND	ND	0.003	ND	ND	0.001	ND	6.6	182
08/21/18 02:00 PM	23045	463	2.07	ND	ND	0.009	0.003	ND	ND	0.007	6.4	183
08/21/18 02:30 PM	22753	464	2.06	ND	ND	0.007	0.002	ND	ND	ND	5.4	185
08/21/18 03:00 PM	23226	466	2.07	ND	ND	0.003	ND	0.001	ND	ND	4.8	185
08/21/18 03:30 PM	25020	468	2.08	ND	ND	0.004	ND	0.000	ND	ND	6.1	179
08/21/18 04:00 PM	24940	470	2.10	0.001	ND	ND	ND	ND	ND	ND	6.1	180
08/21/18 04:30 PM	24570	467	2.07	ND	ND	ND	ND	0.000	ND	ND	5.6	184
08/21/18 05:00 PM	24800	465	2.08	ND	ND	0.014	ND	0.000	ND	ND	5.2	192
08/21/18 05:30 PM	25685	462	2.07	ND	ND	0.008	ND	0.000	ND	ND	4.8	215
08/21/18 06:00 PM	25496	461	2.07	0.000	ND	0.011	ND	0.001	ND	ND	3.7	218
08/21/18 06:30 PM	25486	460	2.06	0.002	ND	0.022	ND	0.000	ND	ND	3.4	222
08/21/18 07:00 PM	26180	459	2.06	0.001	ND	ND	ND	ND	ND	ND	4.0	224
08/21/18 07:30 PM	26722	459	2.07	0.002	ND	0.004	ND	ND	ND	ND	4.4	231
08/21/18 08:00 PM	27209	458	2.07	0.002	ND	ND	ND	ND	ND	ND	5.4	236
08/21/18 08:30 PM	27881	458	2.07	0.009	ND	ND	ND	ND	ND	ND	6.0	231
08/21/18 09:00 PM	28840	457	2.08	0.011	ND	ND	ND	ND	ND	ND	5.7	245
08/21/18 09:30 PM	27701	460	2.09	0.010	ND	ND	ND	ND	ND	ND	4.7	236
08/21/18 10:00 PM	27758	460	2.09	0.011	ND	ND	ND	ND	ND	ND	4.6	231
08/21/18 10:30 PM	27988	459	2.09	0.010	ND	ND	ND	ND	ND	ND	5.4	212
08/21/18 11:00 PM	27145	459	2.09	0.010	ND	ND	ND	ND	ND	ND	5.2	202
08/21/18 11:30 PM	27295	457	2.10	0.009	ND	ND	ND	ND	ND	ND	5.3	198
08/22/18 12:00 AM	28413	458	2.10	0.011	ND	ND	ND	ND	ND	ND	6.5	200

## Daily Processed Summary (Average, Maximum)

Average	27518	460	2.09	0.002	BDL	0.003	0.000	0.000	0.000	0.000	7.8	179
Maximum Value	30179	470	2.12	0.011	BDL	0.022	0.003	0.003	0.001	0.007		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/22/18 12:30 AM	29080	458	2.11	0.012	ND	ND	ND	ND	ND	ND	7.9	199
08/22/18 01:00 AM	29112	456	2.13	0.013	ND	ND	ND	ND	ND	ND	8.9	193
08/22/18 01:30 AM	29210	456	2.14	0.012	ND	ND	ND	ND	ND	ND	9.1	195
08/22/18 02:00 AM	29517	457	2.12	0.014	ND	ND	ND	ND	ND	ND	10.0	196
08/22/18 02:30 AM	29284	458	2.13	0.014	ND	ND	ND	ND	ND	ND	10.9	197
08/22/18 03:00 AM	29155	458	2.12	0.014	ND	ND	ND	ND	ND	ND	11.7	197
08/22/18 03:30 AM	28932	458	2.14	0.013	ND	ND	ND	ND	ND	ND	11.3	193
08/22/18 04:00 AM	28602	462	2.19	0.012	ND	ND	ND	ND	ND	ND	12.9	178
08/22/18 04:30 AM	28277	466	2.47	0.012	ND	ND	ND	ND	ND	ND	12.9	173
08/22/18 05:00 AM	28513	463	3.02	0.015	ND	ND	ND	ND	ND	ND	14.7	162
08/22/18 05:30 AM	29588	460	2.16	0.020	ND	ND	ND	ND	ND	ND	14.5	164
08/22/18 06:00 AM	29804	458	2.11	0.018	ND	ND	ND	ND	ND	ND	14.4	166
08/22/18 06:30 AM	29329	460	2.11	0.016	ND	ND	ND	ND	ND	ND	13.6	169
08/22/18 07:00 AM	28721	465	2.26	0.015	ND	ND	ND	ND	ND	ND	14.3	169
08/22/18 07:30 AM	28971	463	2.21	0.014	ND	ND	ND	ND	ND	ND	13.3	170
08/22/18 08:00 AM	29846	459	2.14	0.009	ND	ND	ND	ND	ND	ND	14.0	164
08/22/18 08:30 AM	29570	462	2.32	ND	ND	ND	ND	ND	ND	ND	13.1	162
08/22/18 09:00 AM	29666	460	2.22	ND	ND	ND	ND	ND	ND	ND	12.8	162
08/22/18 09:30 AM	29666	459	2.16	ND	ND	ND	ND	ND	ND	ND	12.2	168
08/22/18 10:00 AM	29561	461	2.16	ND	ND	ND	ND	ND	ND	ND	11.8	173
08/22/18 10:30 AM	28781	460	2.13	ND	ND	ND	ND	ND	0.001	ND	11.0	175
08/22/18 11:00 AM	28003	462	2.12	ND	ND	ND	ND	ND	0.001	ND	10.9	180
08/22/18 11:30 AM	27195	460	2.11	ND	ND	ND	ND	ND	0.004	ND	11.7	176
08/22/18 12:00 PM	26536	462	2.09	ND	ND	ND	ND	ND	0.004	ND	11.3	176
08/22/18 12:30 PM	25550	462	2.08	ND	ND	ND	ND	ND	0.006	ND	11.8	177
08/22/18 01:00 PM	24335	462	2.08	ND	ND	ND	ND	ND	0.002	ND	10.7	178
08/22/18 01:30 PM	24128	463	2.08	ND	ND	ND	ND	ND	0.007	ND	9.2	180
08/22/18 02:00 PM	21959	463	2.06	ND	ND	ND	ND	ND	ND	ND	10.0	177
08/22/18 02:30 PM	21137	464	2.05	ND	ND	ND	ND	ND	ND	ND	9.6	177
08/22/18 03:00 PM	20566	465	2.05	ND	ND	ND	ND	ND	ND	ND	9.2	178
08/22/18 03:30 PM	23585	467	2.06	ND	ND	ND	ND	ND	ND	ND	7.9	179
08/22/18 04:00 PM	24293	466	2.06	ND	ND	ND	ND	ND	ND	ND	7.5	182
08/22/18 04:30 PM	24832	470	2.08	ND	ND	0.011	ND	ND	ND	ND	8.3	182
08/22/18 05:00 PM	23706	474	2.10	ND	ND	ND	ND	ND	ND	ND	7.9	180
08/22/18 05:30 PM	25629	480	2.21	ND	ND	ND	ND	ND	ND	ND	7.5	180
08/22/18 06:00 PM	26659	472	2.16	ND	ND	ND	ND	ND	ND	ND	8.6	179
08/22/18 06:30 PM	26113	467	2.11	ND	ND	ND	0.003	ND	ND	ND	8.9	179
08/22/18 07:00 PM	26885	466	2.10	ND	ND	ND	0.010	ND	ND	ND	9.5	179
08/22/18 07:30 PM	27337	464	2.10	ND	ND	ND	0.009	ND	ND	ND	9.7	180
08/22/18 08:00 PM	26137	465	2.11	ND	ND	0.007	ND	ND	ND	ND	8.9	180
08/22/18 08:30 PM	26759	465	2.12	ND	ND	0.002	ND	ND	ND	ND	9.2	182
08/22/18 09:00 PM	28151	465	2.12	0.001	ND	ND	ND	ND	ND	ND	9.1	180
08/22/18 09:30 PM	28370	468	2.15	ND	ND	0.006	ND	0.001	ND	ND	8.5	179
08/22/18 10:00 PM	28595	466	2.15	ND	ND	ND	ND	0.000	ND	ND	7.1	178
08/22/18 10:30 PM	28637	467	2.16	ND	ND	ND	ND	0.002	0.001	ND	7.4	180
08/22/18 11:00 PM	28880	468	2.14	ND	ND	ND	ND	0.001	ND	ND	7.3	186
08/22/18 11:30 PM	28813	468	2.16	ND	ND	0.010	ND	ND	ND	ND	7.2	187
08/23/18 12:00 AM	28847	468	2.15	ND	ND	ND	ND	0.001	ND	ND	7.0	188

## Daily Processed Summary (Average, Maximum)

Average	27392	463	2.16	0.005	BDL	0.001	0.000	0.000	0.001	BDL	10.2	177
Maximum Value	29846	480	3.02	0.020	BDL	0.011	0.010	0.002	0.007	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/23/18 12:30 AM	28957	469	2.16	ND	ND	ND	0.003	0.002	ND	ND	7.8	196
08/23/18 01:00 AM	29186	469	2.16	ND	ND	ND	ND	0.001	ND	ND	8.7	191
08/23/18 01:30 AM	29306	465	2.17	ND	ND	ND	ND	0.001	ND	ND	8.7	194
08/23/18 02:00 AM	29550	467	2.16	ND	ND	0.014	ND	0.001	ND	ND	10.0	194
08/23/18 02:30 AM	29765	468	2.19	ND	ND	0.008	ND	0.001	ND	ND	12.5	198
08/23/18 03:00 AM	30011	466	2.18	ND	ND	ND	0.002	0.000	ND	ND	12.7	199
08/23/18 03:30 AM	30188	466	2.16	ND	ND	ND	ND	0.001	ND	ND	12.8	197
08/23/18 04:00 AM	30150	465	2.15	ND	ND	0.004	ND	0.001	ND	ND	12.5	200
08/23/18 04:30 AM	30123	466	2.14	ND	ND	0.003	ND	0.002	ND	ND	13.5	202
08/23/18 05:00 AM	30227	467	2.15	ND	ND	ND	0.003	0.001	ND	ND	13.9	197
08/23/18 05:30 AM	30108	468	2.16	ND	ND	ND	ND	0.002	ND	ND	14.1	199
08/23/18 06:00 AM	29849	471	2.27	0.001	ND	ND	ND	0.001	ND	ND	14.0	202
08/23/18 06:30 AM	29592	482	2.63	ND	ND	0.004	ND	0.001	ND	ND	14.6	199
08/23/18 07:00 AM	29277	483	3.70	0.001	ND	ND	ND	0.000	0.001	ND	13.6	194
08/23/18 07:30 AM	28832	492	4.63	ND	ND	ND	ND	0.001	ND	ND	14.5	193
08/23/18 08:00 AM	28641	499	4.61	ND	ND	0.007	ND	ND	ND	ND	14.5	193
08/23/18 08:30 AM	29553	488	4.56	ND	ND	0.004	ND	ND	ND	ND	14.0	186
08/23/18 09:00 AM	30377	474	2.30	0.001	ND	ND	ND	ND	0.001	ND	12.9	186
08/23/18 09:30 AM	30121	468	2.17	ND	ND	0.003	ND	ND	ND	ND	13.4	183
08/23/18 10:00 AM	29512	466	2.16	ND	ND	ND	0.002	0.000	ND	ND	17.2	167
08/23/18 10:30 AM	29372	466	2.16	ND	ND	ND	ND	0.001	ND	ND	17.2	166
08/23/18 11:00 AM	28866	467	2.16	ND	ND	ND	ND	0.002	ND	ND	17.7	166
08/23/18 11:30 AM	27639	466	2.13	ND	ND	ND	ND	0.002	0.001	ND	17.4	163
08/23/18 12:00 PM	26109	468	2.12	ND	ND	ND	ND	0.001	0.001	ND	18.0	164
08/23/18 12:30 PM	24717	466	2.11	ND	ND	ND	ND	0.001	ND	ND	16.7	163
08/23/18 01:00 PM	23911	465	2.10	ND	ND	ND	ND	ND	ND	ND	16.9	165
08/23/18 01:30 PM	23816	463	2.11	ND	ND	ND	ND	ND	0.001	ND	17.7	164
08/23/18 02:00 PM	23754	465	2.11	ND	ND	ND	ND	ND	ND	ND	16.5	166
08/23/18 02:30 PM	23262	466	2.11	ND	ND	ND	ND	ND	ND	ND	16.1	172
08/23/18 03:00 PM	22176	471	2.17	ND	ND	ND	ND	ND	0.002	ND	15.4	173
08/23/18 03:30 PM	20908	469	2.15	ND	ND	ND	ND	ND	ND	ND	14.4	173
08/23/18 04:00 PM	19606	467	2.19	ND	ND	ND	ND	ND	ND	ND	15.5	166
08/23/18 04:30 PM	19332	467	2.15	ND	ND	ND	ND	ND	ND	ND	15.8	165
08/23/18 05:00 PM	20808	469	2.16	ND	ND	0.003	ND	ND	0.001	ND	14.9	164
08/23/18 05:30 PM	21946	471	2.15	ND	ND	0.009	ND	ND	ND	ND	16.0	163
08/23/18 06:00 PM	22668	475	2.17	ND	ND	0.008	ND	ND	ND	ND	15.4	168
08/23/18 06:30 PM	23067	476	2.16	ND	ND	0.007	ND	ND	ND	ND	15.4	169
08/23/18 07:00 PM	23558	469	2.11	ND	ND	0.003	ND	ND	ND	ND	14.8	171
08/23/18 07:30 PM	24833	465	2.09	ND	ND	ND	ND	ND	ND	ND	13.5	174
08/23/18 08:00 PM	26315	463	2.10	ND	ND	0.011	ND	0.000	ND	ND	13.3	174
08/23/18 08:30 PM	27537	462	2.13	0.001	ND	ND	ND	ND	0.000	ND	11.3	177
08/23/18 09:00 PM	28771	463	2.12	ND	ND	0.004	ND	0.000	ND	ND	9.3	179
08/23/18 09:30 PM	28732	462	2.14	ND	ND	ND	ND	0.001	ND	ND	9.0	179
08/23/18 10:00 PM	28464	463	2.14	ND	ND	0.005	ND	0.001	ND	ND	8.5	181
08/23/18 10:30 PM	28443	464	2.13	ND	ND	ND	ND	ND	ND	ND	8.4	181
08/23/18 11:00 PM	28026	463	2.13	ND	ND	ND	ND	0.001	ND	0.007	8.1	180
08/23/18 11:30 PM	27653	465	2.14	ND	ND	0.014	ND	0.000	ND	0.012	7.4	183
08/24/18 12:00 AM	27650	466	2.18	ND	ND	0.015	ND	0.001	ND	0.011	8.3	181

## Daily Processed Summary (Average, Maximum)

Average	26985	469	2.35	0.000	BDL	0.003	0.000	0.001	0.000	0.001	13.1	179
Maximum Value	30377	499	4.63	0.001	BDL	0.015	0.003	0.002	0.002	0.012		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/24/18 12:30 AM	28205	464	2.19	ND	ND	0.020	ND	0.002	0.002	ND	8.9	179
08/24/18 01:00 AM	27981	464	2.19	ND	ND	0.019	ND	0.003	0.005	ND	8.7	177
08/24/18 01:30 AM	27976	466	2.19	ND	ND	0.016	ND	0.002	0.002	ND	7.9	176
08/24/18 02:00 AM	27870	469	2.20	ND	ND	0.017	ND	0.001	ND	ND	6.8	179
08/24/18 02:30 AM	27820	467	2.19	ND	ND	0.021	ND	0.001	ND	ND	6.7	178
08/24/18 03:00 AM	28288	465	2.20	ND	ND	0.031	ND	0.001	0.001	ND	6.7	180
08/24/18 03:30 AM	28268	465	2.19	ND	ND	0.023	ND	ND	ND	ND	5.0	188
08/24/18 04:00 AM											4.2	203
08/24/18 04:30 AM											4.7	243
08/24/18 05:00 AM											5.4	228
08/24/18 05:30 AM											5.2	222
08/24/18 06:00 AM											6.8	217
08/24/18 06:30 AM											6.7	204
08/24/18 07:00 AM											9.0	196
08/24/18 07:30 AM											10.9	195
08/24/18 08:00 AM											10.9	196
08/24/18 08:30 AM											10.5	194
08/24/18 09:00 AM											10.4	197
08/24/18 09:30 AM											10.5	190
08/24/18 10:00 AM											10.1	196
08/24/18 10:30 AM											10.6	196
08/24/18 11:00 AM											10.6	190
08/24/18 11:30 AM											12.0	178
08/24/18 12:00 PM	25130	451	2.06	ND	ND	ND	ND	ND	ND	ND	11.7	192
08/24/18 12:30 PM	24033	454	2.06	ND	ND	ND	ND	ND	ND	ND	11.7	187
08/24/18 01:00 PM	23847	459	2.08	ND	ND	ND	ND	ND	ND	ND	12.3	187
08/24/18 01:30 PM	24323	459	2.09	ND	ND	ND	ND	ND	ND	ND	12.7	191
08/24/18 02:00 PM	24732	460	2.09	ND	ND	ND	ND	ND	ND	ND	11.0	188
08/24/18 02:30 PM	24770	466	2.10	ND	ND	ND	ND	ND	ND	ND	11.5	179
08/24/18 03:00 PM	23484	473	2.10	ND	ND	ND	ND	ND	ND	ND	12.0	182
08/24/18 03:30 PM	22543	470	2.10	ND	ND	ND	ND	ND	ND	ND	12.5	181
08/24/18 04:00 PM	22855	471	2.14	ND	ND	ND	ND	ND	ND	ND	12.2	183
08/24/18 04:30 PM	22866	468	2.16	ND	ND	ND	ND	ND	ND	ND	12.7	172
08/24/18 05:00 PM	22989	469	2.17	ND	ND	ND	ND	ND	ND	ND	13.8	173
08/24/18 05:30 PM	22968	467	2.06	ND	ND	ND	ND	ND	ND	ND	14.4	171
08/24/18 06:00 PM	22414	470	2.15	ND	ND	ND	ND	ND	ND	ND	13.1	170
08/24/18 06:30 PM	22527	469	2.22	ND	ND	ND	ND	ND	ND	ND	13.4	171
08/24/18 07:00 PM	23904	461	2.10	ND	ND	ND	ND	ND	ND	ND	10.4	175
08/24/18 07:30 PM	25639	465	2.16	ND	ND	ND	ND	ND	ND	ND	10.9	176
08/24/18 08:00 PM	26762	463	2.14	ND	ND	ND	ND	ND	ND	ND	11.7	171
08/24/18 08:30 PM	27727	453	2.09	ND	ND	0.006	ND	ND	ND	ND	11.0	173
08/24/18 09:00 PM	28236	453	2.08	ND	ND	0.005	ND	ND	ND	ND	9.9	176
08/24/18 09:30 PM	27857	456	2.09	ND	ND	ND	ND	ND	ND	ND	9.6	174
08/24/18 10:00 PM	28223	456	2.09	ND	ND	ND	ND	ND	ND	ND	10.0	174
08/24/18 10:30 PM	27601	455	2.09	ND	ND	ND	ND	ND	ND	ND	10.9	176
08/24/18 11:00 PM	27181	455	2.11	ND	ND	ND	ND	ND	ND	ND	10.8	177
08/24/18 11:30 PM	26927	457	2.09	ND	ND	ND	ND	ND	ND	ND	10.9	178
08/25/18 12:00 AM	26397	456	2.11	ND	ND	ND	ND	ND	ND	ND	10.6	176

## Daily Processed Summary (Average, Maximum)

Average	25698	462	2.13	BDL	BDL	0.005	BDL	0.000	0.000	BDL	9.8	184
Maximum Value	28288	473	2.22	BDL	BDL	0.031	BDL	0.003	0.005	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/25/18 12:30 AM	27390	457	2.20	ND	ND	ND	ND	ND	ND	ND	10.7	177
08/25/18 01:00 AM	27557	456	2.16	ND	ND	ND	ND	ND	ND	ND	10.8	178
08/25/18 01:30 AM	26806	456	2.16	ND	ND	ND	ND	ND	ND	ND	10.8	175
08/25/18 02:00 AM	26938	455	2.17	ND	ND	ND	ND	ND	ND	ND	10.2	175
08/25/18 02:30 AM	26805	457	2.18	ND	ND	ND	ND	ND	ND	ND	8.9	177
08/25/18 03:00 AM	27167	460	2.22	ND	ND	ND	ND	ND	ND	ND	8.1	176
08/25/18 03:30 AM	27308	466	2.23	ND	ND	ND	ND	ND	ND	ND	8.2	177
08/25/18 04:00 AM	27036	461	2.21	ND	ND	ND	ND	ND	ND	ND	7.7	181
08/25/18 04:30 AM	26964	457	2.20	ND	ND	ND	ND	ND	ND	ND	7.9	180
08/25/18 05:00 AM	27176	459	2.21	ND	ND	ND	ND	ND	ND	ND	7.4	180
08/25/18 05:30 AM	27679	455	2.22	ND	ND	ND	ND	ND	ND	ND	7.9	183
08/25/18 06:00 AM	27769	455	2.22	ND	ND	ND	ND	ND	ND	ND	8.1	187
08/25/18 06:30 AM	27760	455	2.22	ND	ND	ND	ND	ND	ND	ND	8.2	196
08/25/18 07:00 AM	27905	455	2.22	ND	ND	ND	ND	ND	ND	ND	8.3	196
08/25/18 07:30 AM	28089	456	2.23	ND	ND	ND	ND	ND	ND	ND	7.7	202
08/25/18 08:00 AM	28336	456	2.26	ND	ND	ND	ND	ND	ND	ND	6.4	205
08/25/18 08:30 AM	29065	455	2.23	ND	ND	ND	ND	ND	ND	ND	4.2	208
08/25/18 09:00 AM	29447	454	2.22	ND	ND	ND	ND	ND	ND	ND	3.9	219
08/25/18 09:30 AM	28353	454	2.22	ND	ND	ND	ND	ND	ND	ND	3.2	229
08/25/18 10:00 AM	26854	456	2.21	ND	ND	ND	ND	ND	ND	ND	3.5	224
08/25/18 10:30 AM	26694	457	2.19	ND	ND	ND	ND	ND	ND	ND	4.7	231
08/25/18 11:00 AM	26040	457	2.17	ND	ND	ND	ND	ND	ND	ND	5.3	243
08/25/18 11:30 AM	25537	456	2.16	ND	ND	ND	ND	ND	ND	ND	6.6	240
08/25/18 12:00 PM	25490	458	2.15	ND	ND	ND	ND	ND	ND	ND	7.6	233
08/25/18 12:30 PM	25106	460	2.14	ND	ND	ND	ND	ND	ND	ND	7.5	219
08/25/18 01:00 PM	25530	462	2.15	ND	ND	ND	ND	ND	ND	ND	7.1	236
08/25/18 01:30 PM	25418	468	2.18	ND	ND	ND	ND	ND	ND	ND	5.9	222
08/25/18 02:00 PM	24879	470	2.19	ND	ND	ND	ND	ND	ND	ND	5.7	169
08/25/18 02:30 PM	24359	469	2.16	ND	ND	ND	ND	ND	ND	ND	5.2	190
08/25/18 03:00 PM	24447	470	2.16	ND	ND	ND	ND	ND	ND	ND	5.8	210
08/25/18 03:30 PM											6.6	194
08/25/18 04:00 PM											6.4	213
08/25/18 04:30 PM											6.4	201
08/25/18 05:00 PM											7.4	208
08/25/18 05:30 PM	24546	463	2.11	ND	ND	ND	ND	ND	ND	ND	10.5	171
08/25/18 06:00 PM	24477	461	2.12	ND	ND	ND	ND	ND	ND	ND	11.3	164
08/25/18 06:30 PM	24589	458	2.12	ND	ND	ND	ND	ND	0.003	ND	13.5	166
08/25/18 07:00 PM	25167	459	2.14	ND	ND	ND	ND	ND	ND	ND	15.4	163
08/25/18 07:30 PM	27136	455	2.17	ND	ND	ND	ND	ND	0.002	ND	15.5	160
08/25/18 08:00 PM	27503	453	2.17	ND	ND	ND	ND	0.003	0.007	ND	15.5	169
08/25/18 08:30 PM	27066	454	2.17	ND	ND	0.004	ND	0.002	0.002	ND	17.7	166
08/25/18 09:00 PM	26945	453	2.19	ND	ND	0.003	ND	ND	0.003	ND	17.0	165
08/25/18 09:30 PM	25884	457	2.17	ND	ND	ND	ND	0.001	0.001	ND	15.6	169
08/25/18 10:00 PM	26324	458	2.19	ND	ND	ND	ND	0.000	0.002	ND	15.4	169
08/25/18 10:30 PM	26502	458	2.19	ND	ND	0.004	ND	0.001	0.004	ND	14.9	169
08/25/18 11:00 PM	26937	458	2.18	ND	ND	ND	ND	0.001	0.004	ND	14.7	165
08/25/18 11:30 PM	27338	458	2.18	ND	ND	ND	ND	0.001	0.002	ND	14.0	171
08/26/18 12:00 AM	27574	456	2.20	ND	ND	0.004	ND	0.002	0.004	ND	12.1	175

## Daily Processed Summary (Average, Maximum)

Average	26679	458	2.19	BDL	BDL	0.000	BDL	0.000	0.001	BDL	8.6	183
Maximum Value	29447	470	2.26	BDL	BDL	0.004	BDL	0.003	0.007	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/26/18 12:30 AM	27308	456	2.21	ND	ND	0.020	ND	0.001	ND	ND	11.9	174
08/26/18 01:00 AM	27053	457	2.20	ND	ND	0.014	ND	0.001	ND	ND	11.8	176
08/26/18 01:30 AM											10.6	178
08/26/18 02:00 AM											8.9	176
08/26/18 02:30 AM											9.1	177
08/26/18 03:00 AM											7.3	178
08/26/18 03:30 AM											7.8	175
08/26/18 04:00 AM											8.5	178
08/26/18 04:30 AM											8.0	179
08/26/18 05:00 AM											7.9	179
08/26/18 05:30 AM											6.7	180
08/26/18 06:00 AM											6.5	181
08/26/18 06:30 AM											6.8	181
08/26/18 07:00 AM											6.8	182
08/26/18 07:30 AM											7.2	183
08/26/18 08:00 AM											7.0	185
08/26/18 08:30 AM											6.8	184
08/26/18 09:00 AM											3.8	113
08/26/18 09:30 AM											2.9	180
08/26/18 10:00 AM	27331	465	2.18	ND	ND	ND	ND	ND	ND	ND	2.1	146
08/26/18 10:30 AM	27739	466	2.20	ND	ND	ND	ND	ND	ND	ND	2.3	128
08/26/18 11:00 AM	28178	463	2.19	ND	ND	ND	ND	ND	ND	ND	4.1	202
08/26/18 11:30 AM	26762	467	2.17	ND	ND	ND	ND	ND	ND	ND	4.1	218
08/26/18 12:00 PM	26938	472	2.18	ND	ND	ND	ND	ND	ND	ND	3.6	235
08/26/18 12:30 PM	26481	471	2.17	ND	ND	ND	ND	ND	ND	0.011	3.1	295
08/26/18 01:00 PM	26160	472	2.15	ND	ND	ND	ND	ND	ND	0.012	3.3	321
08/26/18 01:30 PM	26295	474	2.15	ND	ND	ND	ND	ND	ND	ND	3.4	252
08/26/18 02:00 PM	25708	473	2.14	ND	ND	ND	ND	ND	ND	ND	3.8	276
08/26/18 02:30 PM	26185	472	2.15	ND	ND	ND	ND	ND	ND	ND	4.6	299
08/26/18 03:00 PM	26551	468	2.16	ND	ND	ND	ND	ND	ND	ND	4.7	292
08/26/18 03:30 PM	26725	471	2.17	ND	ND	ND	ND	ND	ND	ND	4.4	287
08/26/18 04:00 PM											4.7	271
08/26/18 04:30 PM											6.6	255
08/26/18 05:00 PM											7.2	250
08/26/18 05:30 PM											7.3	257
08/26/18 06:00 PM											5.8	274
08/26/18 06:30 PM	27348	462	2.20	ND	ND	ND	ND	ND	ND	ND	4.8	291
08/26/18 07:00 PM	27471	460	2.22	ND	ND	ND	ND	ND	ND	ND	4.4	237
08/26/18 07:30 PM	27129	458	2.22	ND	ND	ND	ND	ND	ND	ND	3.9	195
08/26/18 08:00 PM	26642	457	2.21	ND	ND	ND	ND	ND	ND	ND	4.6	248
08/26/18 08:30 PM	26454	456	2.21	ND	ND	0.003	ND	ND	ND	ND	4.3	272
08/26/18 09:00 PM	26023	455	2.20	ND	ND	0.006	ND	ND	ND	0.007	4.3	273
08/26/18 09:30 PM	26046	456	2.20	ND	ND	0.002	0.002	0.000	0.001	ND	2.9	143
08/26/18 10:00 PM	26522	456	2.21	ND	ND	0.003	ND	0.000	ND	ND	4.6	199
08/26/18 10:30 PM	27289	455	2.21	ND	ND	0.002	ND	0.001	ND	ND	5.6	201
08/26/18 11:00 PM	27251	457	2.19	ND	ND	0.012	ND	ND	ND	ND	6.4	156
08/26/18 11:30 PM	27238	458	2.21	ND	ND	0.003	ND	ND	ND	ND	9.6	169
08/27/18 12:00 AM											10.5	177

## Daily Processed Summary (Average, Maximum)

Average	26833	463	2.19	BDL	BDL	0.003	0.000	0.000	0.000	0.001	4.4	200
Maximum Value	28178	474	2.22	BDL	BDL	0.020	0.002	0.001	0.001	0.012		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/27/18 12:30 AM											11.0	162
08/27/18 01:00 AM	27351	460	2.17	ND	ND	ND		ND	ND	ND	10.2	148
08/27/18 01:30 AM	27240	459	2.18	ND	ND	0.009	ND	ND	ND	ND	11.1	157
08/27/18 02:00 AM	26856	460	2.18	ND	ND	0.002	ND	0.001	ND	ND	13.4	148
08/27/18 02:30 AM	27447	462	2.17	ND	ND	0.009	ND	0.001	0.001	ND	14.1	155
08/27/18 03:00 AM	27182	462	2.16	ND	ND	0.004	ND	0.001	ND	ND	12.5	160
08/27/18 03:30 AM	27558	465	2.16	ND	ND	ND	0.002	0.001	ND	ND	13.8	162
08/27/18 04:00 AM	27856	459	2.14	ND	ND	ND	ND	0.001	ND	ND	13.6	173
08/27/18 04:30 AM	28264	456	2.13	ND	ND	0.003	ND	0.001	ND	ND	12.0	176
08/27/18 05:00 AM	28432	455	2.12	ND	ND	0.004	ND	0.000	ND	ND	9.6	178
08/27/18 05:30 AM	28271	455	2.11	ND	ND	ND	ND	0.000	0.001	ND	9.8	179
08/27/18 06:00 AM	28244	457	2.11	ND	ND	ND	ND	0.001	0.001	ND	9.1	181
08/27/18 06:30 AM	28320	456	2.11	ND	ND	0.004	ND	0.000	ND	ND	9.1	182
08/27/18 07:00 AM	25441	459	2.08	ND	ND	0.005	ND	0.000	ND	ND	8.9	179
08/27/18 07:30 AM	26055	455	2.07	ND	ND	0.003	ND	ND	ND	ND	6.6	180
08/27/18 08:00 AM	27433	457	2.12	ND	ND	0.002	ND	ND	ND	ND	6.8	184
08/27/18 08:30 AM	27816	457	2.09	ND	ND	ND	ND	ND	ND	ND	7.0	174
08/27/18 09:00 AM	27881	456	2.08	ND	ND	ND	ND	ND	ND	ND	5.9	173
08/27/18 09:30 AM	27566	457	2.08	ND	ND	ND	ND	ND	ND	ND	6.1	183
08/27/18 10:00 AM	27676	456	2.07	ND	ND	ND	ND	ND	ND	ND	4.9	179
08/27/18 10:30 AM	26903	458	2.08	ND	ND	ND	ND	ND	ND	ND	5.5	175
08/27/18 11:00 AM	26813	460	2.08	ND	ND	ND	ND	ND	ND	ND	5.8	172
08/27/18 11:30 AM	26885	460	2.08	ND	ND	ND	ND	ND	ND	ND	6.9	188
08/27/18 12:00 PM	26531	458	2.07	ND	ND	ND	ND	ND	ND	ND	5.6	190
08/27/18 12:30 PM	25632	464	2.09	ND	ND	ND	ND	ND	0.002	ND	5.4	187
08/27/18 01:00 PM	24946	460	2.06	ND	ND	ND	ND	ND	ND	ND	5.0	188
08/27/18 01:30 PM	25007	464	2.08	ND	ND	ND	ND	ND	ND	ND	5.0	189
08/27/18 02:00 PM	25182	465	2.08	ND	ND	ND	ND	ND	ND	ND	4.8	192
08/27/18 02:30 PM	24800	466	2.08	ND	ND	ND	ND	ND	ND	ND	5.4	200
08/27/18 03:00 PM	25222	464	2.09	ND	ND	ND	ND	ND	ND	ND	5.3	211
08/27/18 03:30 PM	25547	465	2.08	ND	ND	ND	ND	ND	ND	ND	4.9	229
08/27/18 04:00 PM	25711	464	2.08	ND	ND	ND	ND	ND	ND	ND	2.9	226
08/27/18 04:30 PM	26504	465	2.08	ND	ND	ND	ND	ND	ND	ND	1.6	216
08/27/18 05:00 PM	26945	464	2.08	ND	ND	ND	ND	ND	ND	ND	2.2	113
08/27/18 05:30 PM	27018	464	2.07	ND	ND	ND	ND	ND	ND	ND	3.6	22
08/27/18 06:00 PM	27131	461	2.07	ND	ND	ND	ND	ND	ND	ND	2.9	10
08/27/18 06:30 PM	27051	458	2.06	ND	ND	ND	ND	ND	ND	ND	3.5	15
08/27/18 07:00 PM	27121	459	2.07	ND	ND	ND	ND	ND	ND	ND	2.6	66
08/27/18 07:30 PM	28218	456	2.07	ND	ND	ND	ND	ND	ND	ND	1.8	236
08/27/18 08:00 PM	28224	455	2.06	ND	ND	ND	ND	ND	ND	ND	2.7	332
08/27/18 08:30 PM	27490	454	2.06	ND	ND	ND	ND	ND	ND	ND	4.5	279
08/27/18 09:00 PM	26884	454	2.06	ND	ND	ND	ND	ND	ND	ND	5.0	268
08/27/18 09:30 PM	26725	454	2.07	ND	ND	ND	ND	ND	ND	ND	4.1	238
08/27/18 10:00 PM	26991	456	2.07	ND	ND	ND	ND	ND	ND	ND	5.5	242
08/27/18 10:30 PM	27332	457	2.07	ND	ND	ND	ND	ND	ND	ND	5.5	246
08/27/18 11:00 PM	27619	456	2.08	ND	ND	ND	ND	ND	ND	ND	5.2	210
08/27/18 11:30 PM	27622	456	2.07	ND	ND	ND	ND	ND	ND	ND	5.2	215
08/28/18 12:00 AM	27647	456	2.07	ND	0.002	ND	ND	ND	ND	ND	4.6	214

## Daily Processed Summary (Average, Maximum)

Average	26991	459	2.09	BDL	0.000	0.001	0.000	0.000	0.000	BDL	5.3	181
Maximum Value	28432	466	2.18	BDL	0.002	0.009	0.002	0.001	0.002	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/28/18 12:30 AM	27675	457	2.07	ND	ND	ND	ND	ND	ND	ND	5.4	219
08/28/18 01:00 AM	27931	464	2.09	ND	ND	ND	ND	ND	ND	ND	6.4	218
08/28/18 01:30 AM	28203	471	2.11	ND	ND	ND	ND	ND	ND	ND	7.4	211
08/28/18 02:00 AM	28459	466	2.09	ND	ND	ND	ND	ND	ND	ND	7.6	192
08/28/18 02:30 AM	28487	462	2.07	ND	0.002	ND	ND	ND	ND	ND	8.4	181
08/28/18 03:00 AM	28508	459	2.06	ND	ND	ND	ND	ND	ND	ND	9.6	167
08/28/18 03:30 AM	28447	460	2.07	ND	ND	ND	ND	ND	ND	ND	10.7	153
08/28/18 04:00 AM	28286	457	2.07	ND	ND	ND	ND	ND	ND	ND	11.2	147
08/28/18 04:30 AM	28072	456	2.07	ND	ND	ND	ND	ND	ND	ND	11.3	143
08/28/18 05:00 AM	28439	457	2.07	ND	ND	ND	ND	ND	ND	ND	10.5	149
08/28/18 05:30 AM	28389	456	2.07	ND	ND	ND	ND	ND	ND	ND	11.3	153
08/28/18 06:00 AM	28320	456	2.07	ND	ND	ND	ND	ND	ND	ND	11.9	146
08/28/18 06:30 AM	28421	457	2.08	ND	ND	ND	ND	ND	ND	ND	11.7	150
08/28/18 07:00 AM	28320	457	2.08	ND	ND	ND	ND	ND	ND	ND	13.0	157
08/28/18 07:30 AM	28724	459	2.09	ND	ND	ND	ND	ND	ND	ND	12.1	151
08/28/18 08:00 AM	28583	456	2.08	ND	ND	ND	ND	ND	ND	ND	12.0	151
08/28/18 08:30 AM	27544	458	2.09	ND	ND	ND	ND	ND	ND	ND	12.5	141
08/28/18 09:00 AM	28487	457	2.08	ND	ND	ND	ND	ND	ND	ND	12.5	139
08/28/18 09:30 AM	28376	456	2.07	ND	ND	ND	ND	ND	ND	ND	12.0	136
08/28/18 10:00 AM	28085	457	2.07	ND	ND	ND	ND	ND	ND	ND	11.7	135
08/28/18 10:30 AM	27225	460	2.07	ND	ND	ND	ND	ND	ND	ND	11.6	133
08/28/18 11:00 AM	26399	462	2.07	ND	ND	ND	ND	ND	ND	ND	9.9	136
08/28/18 11:30 AM	26536	461	2.06	ND	ND	ND	ND	ND	ND	ND	10.5	136
08/28/18 12:00 PM	26235	462	2.06	ND	ND	ND	ND	ND	ND	ND	10.9	139
08/28/18 12:30 PM	25775	463	2.05	ND	ND	ND	ND	ND	ND	ND	11.2	139
08/28/18 01:00 PM	25096	464	2.05	ND	ND	ND	ND	ND	ND	ND	11.5	136
08/28/18 01:30 PM	25292	462	2.06	ND	ND	ND	ND	ND	ND	ND	9.2	132
08/28/18 02:00 PM	24471	462	2.03	ND	ND	ND	ND	ND	0.002	ND	7.6	127
08/28/18 02:30 PM	24552	464	2.04	ND	ND	ND	ND	ND	ND	ND	7.7	128
08/28/18 03:00 PM	23660	470	2.05	ND	ND	ND	ND	ND	0.002	ND	8.6	131
08/28/18 03:30 PM	21903	471	2.05	ND	ND	ND	ND	ND	0.007	ND	8.1	134
08/28/18 04:00 PM	22921	474	2.06	ND	ND	ND	ND	ND	0.004	ND	8.9	134
08/28/18 04:30 PM	24473	468	2.05	ND	ND	ND	ND	ND	ND	ND	8.7	150
08/28/18 05:00 PM	25570	471	2.06	ND	ND	ND	ND	ND	ND	ND	8.4	164
08/28/18 05:30 PM	25999	466	2.05	ND	ND	ND	ND	ND	ND	ND	8.7	169
08/28/18 06:00 PM	26413	464	2.05	ND	ND	ND	ND	ND	ND	ND	9.7	181
08/28/18 06:30 PM	26767	462	2.06	ND	ND	ND	ND	ND	ND	ND	9.5	178
08/28/18 07:00 PM	26706	461	2.06	ND	ND	ND	ND	ND	ND	ND	7.9	184
08/28/18 07:30 PM	26591	461	2.07	ND	ND	ND	ND	ND	ND	ND	8.0	185
08/28/18 08:00 PM	26799	457	2.05	ND	ND	ND	ND	ND	ND	ND	6.8	188
08/28/18 08:30 PM	27701	458	2.07	ND	ND	ND	ND	ND	ND	ND	6.9	181
08/28/18 09:00 PM	27736	460	2.06	ND	ND	ND	ND	ND	ND	ND	7.2	179
08/28/18 09:30 PM	27505	459	2.06	ND	ND	ND	ND	ND	ND	ND	5.8	184
08/28/18 10:00 PM	27032	461	2.06	ND	ND	ND	ND	ND	ND	ND	5.1	183
08/28/18 10:30 PM	27534	460	2.06	ND	ND	ND	ND	ND	ND	ND	4.7	186
08/28/18 11:00 PM	26915	459	2.06	ND	ND	ND	ND	ND	ND	ND	4.4	192
08/28/18 11:30 PM	27712	468	2.12	ND	ND	ND	ND	ND	ND	ND	3.6	189
08/29/18 12:00 AM	28076	466	2.10	ND	ND	ND	ND	ND	ND	ND	3.5	195

## Daily Processed Summary (Average, Maximum)

Average	26986	462	2.07	BDL	0.000	BDL	BDL	BDL	0.000	BDL	8.3	156
Maximum Value	28724	474	2.12	BDL	0.002	BDL	BDL	BDL	0.007	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/29/18 12:30 AM	28181	471	2.10	ND	ND	ND	ND	ND	ND	ND	3.9	192
08/29/18 01:00 AM	28697	478	2.11	ND	ND	ND	ND	ND	ND	ND	5.1	193
08/29/18 01:30 AM	29095	476	2.11	ND	ND	ND	ND	ND	ND	ND	5.6	198
08/29/18 02:00 AM	28296	462	2.08	ND	ND	ND	ND	ND	ND	ND	4.9	241
08/29/18 02:30 AM	28739	465	2.10	ND	ND	ND	ND	ND	ND	ND	4.8	256
08/29/18 03:00 AM	28760	465	2.10	ND	ND	ND	ND	ND	ND	ND	4.1	244
08/29/18 03:30 AM	28482	462	2.08	ND	ND	ND	ND	ND	ND	ND	5.4	216
08/29/18 04:00 AM	27985	461	2.08	ND	ND	ND	ND	ND	ND	ND	6.2	204
08/29/18 04:30 AM	28400	461	2.09	ND	ND	ND	ND	ND	ND	ND	5.2	197
08/29/18 05:00 AM	28402	461	2.09	ND	ND	ND	ND	ND	ND	ND	5.5	189
08/29/18 05:30 AM	28197	461	2.11	0.001	ND	ND	ND	ND	ND	ND	5.6	192
08/29/18 06:00 AM	28194	461	2.12	ND	ND	0.003	ND	ND	ND	ND	6.0	201
08/29/18 06:30 AM	28401	463	2.15	ND	ND	0.006	0.002	0.001	ND	ND	7.4	190
08/29/18 07:00 AM	28579	463	2.13	0.001	ND	ND	ND	0.001	0.001	ND	9.4	179
08/29/18 07:30 AM	28393	463	2.11	ND	ND	0.006	ND	ND	ND	ND	10.5	172
08/29/18 08:00 AM	28386	466	2.26	ND	ND	ND	0.002	0.000	ND	ND	10.2	159
08/29/18 08:30 AM	28263	463	2.10	ND	ND	ND	ND	ND	ND	ND	12.3	154
08/29/18 09:00 AM	27320	465	2.10	ND	ND	ND	ND	ND	ND	ND	12.2	159
08/29/18 09:30 AM	26433	459	2.09	ND	ND	0.012	ND	ND	ND	ND	12.8	152
08/29/18 10:00 AM	28603	462	2.12	ND	ND	ND	ND	ND	ND	ND	14.4	149
08/29/18 10:30 AM	28385	463	2.08	ND	ND	ND	ND	ND	ND	ND	14.9	149
08/29/18 11:00 AM	27914	463	2.08	ND	ND	ND	ND	ND	ND	ND	14.7	160
08/29/18 11:30 AM	27319	462	2.08	ND	ND	ND	ND	ND	ND	ND	14.1	158
08/29/18 12:00 PM	26596	465	2.08	ND	ND	ND	ND	ND	ND	ND	14.2	147
08/29/18 12:30 PM	25717	467	2.08	ND	ND	ND	ND	ND	ND	ND	14.9	143
08/29/18 01:00 PM	25905	469	2.08	ND	ND	ND	ND	ND	ND	ND	15.3	140
08/29/18 01:30 PM	26078	472	2.08	ND	ND	ND	ND	ND	ND	ND	12.8	147
08/29/18 02:00 PM	26141	475	2.10	ND	ND	ND	ND	ND	ND	ND	12.1	153
08/29/18 02:30 PM	24737	465	2.16	ND	ND	ND	ND	ND	ND	ND	14.0	139
08/29/18 03:00 PM	24075	390	1.94	ND	ND	ND	ND	ND	ND	ND	12.3	138
08/29/18 03:30 PM	25893	450	2.08	0.001	ND	0.007	ND	ND	ND	ND	12.3	140
08/29/18 04:00 PM	26761	452	2.10	ND	ND	ND	ND	0.001	ND	ND	10.5	138
08/29/18 04:30 PM	26799	459	2.08	ND	ND	ND	ND	0.000	ND	ND	11.6	136
08/29/18 05:00 PM	27534	461	2.13	ND	ND	ND	0.004	ND	ND	ND	10.2	134
08/29/18 05:30 PM	28284	460	2.09	ND	ND	ND	ND	ND	ND	ND	9.7	133
08/29/18 06:00 PM	27881	461	2.09	ND	ND	ND	ND	ND	ND	ND	9.3	133
08/29/18 06:30 PM	28107	460	2.08	ND	ND	ND	ND	ND	ND	ND	10.1	136
08/29/18 07:00 PM	28211	459	2.08	ND	ND	ND	0.004	ND	ND	ND	9.9	134
08/29/18 07:30 PM	27653	459	2.09	ND	ND	0.002	ND	ND	0.001	ND	9.9	135
08/29/18 08:00 PM	26982	461	2.11	ND	ND	ND	ND	ND	0.001	ND	12.1	139
08/29/18 08:30 PM	27447	461	2.16	ND	ND	ND	ND	ND	ND	ND	14.0	140
08/29/18 09:00 PM	27511	461	2.07	ND	ND	0.001	ND	ND	ND	ND	13.6	139
08/29/18 09:30 PM	27399	462	2.23	ND	ND	ND	ND	ND	ND	ND	12.1	134
08/29/18 10:00 PM	27820	462	2.38	ND	ND	ND	0.003	ND	ND	ND	13.2	135
08/29/18 10:30 PM	28194	462	2.15	ND	ND	ND	ND	ND	ND	ND	13.3	136
08/29/18 11:00 PM	27982	464	2.27	ND	ND	ND	ND	ND	ND	ND	11.0	147
08/29/18 11:30 PM	27705	465	2.39	ND	ND	ND	ND	ND	ND	ND	10.3	154
08/30/18 12:00 AM	27560	469	2.31	ND	ND	ND	ND	ND	ND	ND	10.0	173

## Daily Processed Summary (Average, Maximum)

Average	27592	462	2.12	0.000	BDL	0.001	0.000	0.000	0.000	BDL	9.4	153
Maximum Value	29095	478	2.39	0.001	BDL	0.012	0.004	0.001	0.001	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/30/18 12:30 AM	27445	475	2.20	ND	ND	0.014	ND	ND	ND	ND	9.0	180
08/30/18 01:00 AM	27580	479	2.31	ND	ND	0.005	ND	ND	ND	ND	8.4	181
08/30/18 01:30 AM	27465	476	2.32	ND	ND	ND	ND	ND	ND	ND	7.7	184
08/30/18 02:00 AM	27567	484	2.31	ND	ND	0.001	ND	ND	ND	ND	6.6	190
08/30/18 02:30 AM	27481	489	2.39	ND	ND	0.001	ND	0.001	0.000	ND	6.7	188
08/30/18 03:00 AM	27401	497	2.56	ND	ND	0.002	ND	0.001	0.001	ND	6.6	189
08/30/18 03:30 AM	27222	503	2.27	ND	ND	0.012	ND	0.001	ND	ND	5.5	182
08/30/18 04:00 AM	27290	499	2.23	ND	ND	ND	0.001	ND	ND	ND	4.7	201
08/30/18 04:30 AM	27409	503	2.24	ND	ND	0.004	ND	ND	ND	ND	4.3	202
08/30/18 05:00 AM	27663	507	2.34	0.000	ND	ND	ND	0.001	ND	ND	3.8	219
08/30/18 05:30 AM	27759	507	2.41	0.001	ND	0.008	ND	0.001	ND	ND	4.2	211
08/30/18 06:00 AM	27441	508	2.29	0.001	ND	0.023	ND	0.001	ND	ND	3.5	214
08/30/18 06:30 AM	27061	515	2.31	ND	ND	0.018	ND	0.001	ND	ND	5.4	206
08/30/18 07:00 AM	26557	515	2.99	ND	ND	0.020	ND	0.001	ND	ND	6.5	205
08/30/18 07:30 AM	26478	514	2.32	ND	ND	0.004	ND	0.000	ND	ND	5.7	221
08/30/18 08:00 AM	26833	515	2.30	ND	ND	ND	ND	0.000	ND	ND	4.2	232
08/30/18 08:30 AM	27352	504	2.27	ND	ND	ND	ND	ND	ND	ND	4.3	233
08/30/18 09:00 AM	27895	491	2.23	ND	ND	ND	ND	ND	ND	ND	4.2	204
08/30/18 09:30 AM	28147	472	2.15	ND	ND	ND	ND	ND	ND	ND	6.4	223
08/30/18 10:00 AM	27284	467	2.12	ND	ND	ND	ND	ND	ND	ND	6.4	189
08/30/18 10:30 AM	28069	467	2.12	ND	ND	ND	ND	ND	ND	ND	9.4	179
08/30/18 11:00 AM	27828	464	2.13	ND	ND	ND	ND	ND	ND	ND	8.7	170
08/30/18 11:30 AM	27823	453	2.09	ND	ND	ND	ND	ND	ND	ND	10.0	151
08/30/18 12:00 PM	23970	431	1.96	ND	0.008	ND	ND	ND	ND	ND	10.3	148
08/30/18 12:30 PM	25898	452	2.07	ND	0.007	ND	ND	ND	ND	ND	11.3	159
08/30/18 01:00 PM	27895	468	2.12	ND	0.002	ND	ND	ND	ND	ND	12.5	158
08/30/18 01:30 PM	26211	408	2.01	ND	ND	ND	ND	ND	ND	ND	13.2	158
08/30/18 02:00 PM	27004	446	2.09	ND	0.004	ND	ND	ND	ND	ND	14.1	158
08/30/18 02:30 PM	27973	461	2.13	ND	ND	ND	ND	ND	ND	ND	13.4	158
08/30/18 03:00 PM	28038	461	2.13	ND	ND	0.009	ND	ND	ND	ND	13.3	154
08/30/18 03:30 PM	27327	462	2.14	ND	ND	0.023	ND	ND	ND	ND	13.3	148
08/30/18 04:00 PM	26650	463	2.12	0.001	ND	ND	ND	ND	ND	ND	12.8	145
08/30/18 04:30 PM	26560	463	2.13	0.000	ND	ND	ND	ND	ND	ND	13.4	144
08/30/18 05:00 PM	26764	464	2.14	ND	ND	0.009	ND	ND	ND	ND	14.4	134
08/30/18 05:30 PM	27169	463	2.12	ND	ND	0.011	ND	0.001	ND	ND	13.4	133
08/30/18 06:00 PM	26704	463	2.11	ND	ND	0.006	ND	0.001	ND	ND	13.3	136
08/30/18 06:30 PM	26145	463	2.10	ND	ND	0.006	ND	0.000	ND	ND	12.4	129
08/30/18 07:00 PM	26232	463	2.10	0.000	ND	ND	ND	0.000	ND	ND	11.6	130
08/30/18 07:30 PM	25618	464	2.13	ND	ND	0.002	ND	ND	0.001	ND	9.8	127
08/30/18 08:00 PM	26169	468	2.17	0.001	ND	0.005	ND	ND	ND	ND	10.0	126
08/30/18 08:30 PM	26400	469	2.15	ND	ND	0.002	ND	0.000	ND	ND	8.5	124
08/30/18 09:00 PM	26150	473	2.21	ND	ND	0.007	ND	ND	ND	ND	7.6	123
08/30/18 09:30 PM	26102	477	2.20	ND	ND	0.010	ND	0.000	0.002	ND	8.1	124
08/30/18 10:00 PM	26165	483	2.25	ND	ND	0.012	ND	0.000	0.002	ND	8.9	127
08/30/18 10:30 PM	25726	480	2.22	ND	ND	0.003	ND	0.000	ND	ND	8.6	128
08/30/18 11:00 PM	25830	476	2.19	ND	ND	ND	0.002	0.000	ND	ND	7.9	125
08/30/18 11:30 PM	25880	479	2.23	ND	ND	0.002	ND	0.000	ND	ND	7.4	126
08/31/18 12:00 AM	25759	488	2.83	ND	ND	0.007	ND	ND	0.000	ND	6.8	123

## Daily Processed Summary (Average, Maximum)

Average	26904	477	2.23	0.000	0.000	0.005	0.000	0.000	0.000	BDL	7.6	157
Maximum Value	28147	515	2.99	0.001	0.008	0.023	0.002	0.001	0.002	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	8UT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
08/31/18 12:30 AM	25688	497	3.21	ND	ND	ND	ND	0.000	ND	ND	7.4	123
08/31/18 01:00 AM	25641	503	2.39	ND	ND	0.004	ND	ND	ND	ND	8.1	123
08/31/18 01:30 AM	25549	513	2.36	ND	ND	0.004	ND	ND	ND	ND	10.7	131
08/31/18 02:00 AM	25500	518	2.47	ND	ND	0.002	ND	0.001	ND	ND	10.7	146
08/31/18 02:30 AM	25786	514	2.49	ND	ND	ND	ND	0.001	ND	ND	10.5	148
08/31/18 03:00 AM	25565	520	2.35	ND	ND	ND	ND	0.001	ND	ND	7.7	164
08/31/18 03:30 AM	25593	523	2.37	ND	ND	ND	ND	0.001	ND	ND	8.1	173
08/31/18 04:00 AM	25605	527	2.36	ND	ND	ND	ND	0.001	ND	ND	7.8	181
08/31/18 04:30 AM	25507	540	2.43	ND	ND	ND	ND	0.001	ND	ND	6.4	185
08/31/18 05:00 AM	25543	532	2.39	ND	ND	ND	ND	0.000	ND	ND	5.7	183
08/31/18 05:30 AM	25629	531	2.36	ND	ND	ND	ND	0.002	ND	ND	3.7	158
08/31/18 06:00 AM	25405	546	2.92	ND	ND	ND	ND	0.002	ND	ND	2.7	134
08/31/18 06:30 AM	25308	540	2.94	ND	ND	ND	ND	0.002	ND	ND	2.2	120
08/31/18 07:00 AM	25745	525	2.53	ND	ND	ND	ND	0.003	ND	ND	2.7	90
08/31/18 07:30 AM	25488	539	2.39	ND	ND	ND	ND	0.002	ND	ND	2.4	101
08/31/18 08:00 AM	25578	546	2.57	ND	ND	ND	ND	0.002	ND	ND	2.7	84
08/31/18 08:30 AM	26156	542	2.56	ND	ND	ND	ND	ND	ND	ND	1.6	59
08/31/18 09:00 AM	27465	509	2.26	ND	ND	ND	ND	ND	ND	ND	1.9	82
08/31/18 09:30 AM	27837	489	2.23	ND	ND	ND	ND	ND	ND	ND	1.7	130
08/31/18 10:00 AM	27623	476	2.19	ND	ND	ND	ND	ND	ND	ND	3.9	184
08/31/18 10:30 AM	26533	470	2.17	ND	ND	ND	ND	ND	ND	ND	5.6	187
08/31/18 11:00 AM	25831	467	2.15	ND	ND	ND	ND	ND	ND	ND	6.3	195
08/31/18 11:30 AM	24810	465	2.13	ND	ND	ND	ND	ND	ND	ND	5.9	186
08/31/18 12:00 PM	23675	465	2.11	ND	ND	ND	ND	ND	ND	ND	6.8	184
08/31/18 12:30 PM	24866	468	2.12	ND	ND	ND	ND	ND	ND	ND	6.0	177
08/31/18 01:00 PM	24869	467	2.11	ND	ND	ND	ND	ND	ND	ND	5.5	201
08/31/18 01:30 PM	24659	466	2.09	ND	ND	ND	ND	ND	ND	ND	7.6	186
08/31/18 02:00 PM	24480	464	2.09	ND	ND	ND	ND	ND	ND	ND	9.0	171
08/31/18 02:30 PM	24813	465	2.09	ND	ND	ND	ND	ND	ND	ND	11.0	156
08/31/18 03:00 PM	25540	470	2.10	ND	ND	ND	ND	ND	ND	ND	11.2	160
08/31/18 03:30 PM	25430	468	2.09	ND	ND	ND	ND	ND	ND	ND	10.9	160
08/31/18 04:00 PM	25200	467	2.09	ND	ND	ND	ND	ND	ND	ND	11.8	150
08/31/18 04:30 PM	25377	463	2.08	ND	ND	ND	ND	ND	ND	ND	12.3	153
08/31/18 05:00 PM	24810	462	2.08	ND	ND	ND	ND	ND	ND	ND	13.0	158
08/31/18 05:30 PM	25207	462	2.09	ND	ND	ND	ND	ND	ND	ND	12.9	153
08/31/18 06:00 PM	25114	462	2.09	ND	ND	ND	ND	ND	ND	ND	13.0	151
08/31/18 06:30 PM	25194	459	2.09	ND	ND	ND	ND	ND	ND	ND	13.6	150
08/31/18 07:00 PM	24859	459	2.09	ND	ND	ND	ND	ND	ND	ND	14.3	151
08/31/18 07:30 PM	25659	459	2.14	ND	ND	ND	ND	ND	ND	ND	14.7	152
08/31/18 08:00 PM	26488	460	2.17	ND	ND	ND	ND	ND	ND	ND	14.8	147
08/31/18 08:30 PM	26425	459	2.13	ND	ND	ND	ND	ND	ND	ND	14.9	144
08/31/18 09:00 PM	26413	459	2.12	ND	ND	ND	ND	ND	ND	ND	14.0	139
08/31/18 09:30 PM	26457	464	2.35	ND	ND	ND	ND	ND	ND	ND	13.9	141
08/31/18 10:00 PM	26999	463	2.27	ND	ND	ND	ND	ND	ND	ND	13.9	139
08/31/18 10:30 PM	27184	469	2.53	ND	ND	ND	ND	ND	ND	ND	13.8	133
08/31/18 11:00 PM	26852	468	2.35	ND	ND	ND	ND	ND	ND	ND	14.3	131
08/31/18 11:30 PM	26648	473	2.21	ND	ND	ND	ND	ND	ND	ND	12.8	130
09/01/18 12:00 AM	26538	480	2.60	ND	ND	ND	ND	ND	ND	ND	12.2	129

## Daily Processed Summary (Average, Maximum)

Average	25732	489	2.30	BDL	BDL	0.000	BDL	0.000	8DL	BDL	8.3	151
Maximum Value	27837	546	3.21	8DL	8DL	0.004	BDL	0.003	8DL	8DL		

BDL = Below Detection Limit

Blank = Not Available



**Formosa Plastics Corporation  
North AAMS Site  
Validated Exceedances of 30-Minute Block Averaged Trigger Levels  
September 2018**

<u>Day</u>	<u>Period</u>	<u>Compound</u>	30-Min Avg. Concentration (ppb)	Trigger Level (ppb)	Wind Speed (mph)	Wind Direction (degrees)
			NONE			

**Formosa Plastics Corporation  
North AAMS Site  
Validated Exceedances of 30-Minute Running Averaged Trigger Levels  
September 2018**

<u>Day</u>	<u>Period</u>	<u>Compound</u>	30-Minute Max Avg. Concentration (ppb)	Trigger Level (ppb)	Max Wind Speed (mph)	Max Wind Direction (degrees)
			NONE			

**Open Path FTIR Daily (24-hour) Averages**  
**Site: Formosa North AAMS**

timestamp	Capture (%)	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
9/1/2018	100	21272	389	1.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.2	127
9/2/2018	100	22001	379	1.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.9	133
9/3/2018	100	22305	376	1.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.2	119
9/4/2018	100	21637	392	1.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.0	81
9/5/2018	100	21688	385	1.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.4	90
9/6/2018	100	21314	385	1.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.8	79
9/7/2018	100	22575	399	1.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.4	148
9/8/2018	100	21942	381	1.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.7	154
9/9/2018	100	21234	392	1.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.2	35
9/10/2018	100	19726	362	1.29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.2	55
9/11/2018	100	19829	367	1.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.8	86
9/12/2018	96	19906	353	1.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.7	78
9/13/2018	100	20437	358	1.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.6	50
9/14/2018	100	19331	310	1.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.1	60
9/15/2018	27	20541	315	1.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.7	106
9/16/2018	0											2.1	130
9/17/2018	0											1.5	178
9/18/2018	0											2.6	198
9/19/2018	0											4.8	148
9/20/2018	0											9.3	145
9/21/2018	0											10.9	147
9/22/2018	0											4.8	222
9/23/2018	0											4.5	296
9/24/2018	4	19115	328	1.28	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.1	141
9/25/2018	33	20833	333	1.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
9/26/2018	0											3.3	166
9/27/2018	31	16585	310	2.53	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6	11
9/28/2018	54	19568	369	2.82	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.8	67
9/29/2018	23	23033	388	2.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.8	82
9/30/2018	100	22273	384	2.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.4	61

**Daily Processed Summary (Average, Maximum)**

Average	56	20816	365	1.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Maximum Value	100	23033	399	2.82	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit  
Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/01/18 12:30 AM	21306	388	1.35	ND	ND	0.003	ND	ND	ND	ND	4.6	84
09/01/18 01:00 AM	21537	386	1.22	ND	ND	0.003	ND	0.000	ND	ND	5.5	77
09/01/18 01:30 AM	21821	390	1.26	ND	ND	0.006	ND	0.002	0.002	ND	5.6	75
09/01/18 02:00 AM	21733	399	1.28	ND	ND	ND	ND	0.000	0.000	ND	4.7	64
09/01/18 02:30 AM	21642	400	1.32	ND	ND	ND	ND	ND	ND	ND	2.8	135
09/01/18 03:00 AM	21657	395	1.34	ND	ND	ND	ND	0.000	0.001	ND	1.1	160
09/01/18 03:30 AM	21440	396	1.27	ND	ND	ND	ND	0.000	ND	ND	1.1	199
09/01/18 04:00 AM	21337	406	1.39	ND	ND	0.002	ND	ND	ND	ND	2.2	173
09/01/18 04:30 AM	21257	404	1.50	ND	ND	0.003	ND	0.000	ND	ND	1.9	145
09/01/18 05:00 AM	21028	416	1.73	ND	ND	ND	ND	0.000	ND	ND	3.6	135
09/01/18 05:30 AM	20762	429	1.50	ND	ND	0.007	ND	0.000	ND	ND	3.4	338
09/01/18 06:00 AM	20925	425	1.46	ND	ND	0.004	ND	ND	0.001	ND	3.9	352
09/01/18 06:30 AM	21134	417	1.44	ND	ND	ND	ND	0.001	ND	ND	2.1	168
09/01/18 07:00 AM	21052	421	1.63	0.001	ND	ND	ND	0.000	ND	ND	3.0	87
09/01/18 07:30 AM	21184	423	1.87	ND	ND	ND	ND	ND	0.001	ND	2.7	25
09/01/18 08:00 AM	21309	421	1.59	ND	ND	0.002	ND	0.000	ND	ND	3.1	77
09/01/18 08:30 AM	21608	414	2.56	ND	ND	ND	ND	0.000	0.001	ND	4.5	32
09/01/18 09:00 AM	22422	404	1.34	ND	ND	ND	ND	ND	ND	ND	4.7	30
09/01/18 09:30 AM	22767	401	1.32	ND	ND	ND	ND	ND	ND	ND	4.7	53
09/01/18 10:00 AM	22227	392	1.25	ND	ND	ND	ND	ND	0.002	ND	5.3	35
09/01/18 10:30 AM	21652	384	1.20	ND	ND	ND	ND	ND	0.004	ND	5.1	43
09/01/18 11:00 AM	21037	382	1.16	ND	ND	ND	ND	ND	0.003	ND	4.9	79
09/01/18 11:30 AM	20299	379	1.15	ND	ND	ND	ND	ND	0.001	ND	4.1	103
09/01/18 12:00 PM	20019	306	1.05	ND	ND	ND	ND	ND	ND	ND	8.0	106
09/01/18 12:30 PM	20822	441	1.23	ND	ND	ND	ND	0.001	ND	ND	3.3	169
09/01/18 01:00 PM	19964	373	1.15	ND	ND	ND	ND	0.001	ND	ND	4.4	188
09/01/18 01:30 PM	19798	377	1.16	ND	ND	ND	ND	0.001	ND	ND	4.8	225
09/01/18 02:00 PM	22234	378	1.12	ND	ND	ND	ND	ND	ND	ND	8.3	195
09/01/18 02:30 PM	21909	375	1.12	ND	ND	ND	ND	ND	ND	ND	7.5	197
09/01/18 03:00 PM	21668	374	1.12	ND	ND	0.003	0.001	ND	ND	ND	6.3	189
09/01/18 03:30 PM	21181	375	1.12	ND	ND	ND	ND	ND	ND	ND	5.7	195
09/01/18 04:00 PM	20216	378	1.12	ND	ND	ND	ND	ND	ND	ND	6.7	149
09/01/18 04:30 PM	20251	377	1.12	ND	0.002	ND	ND	ND	ND	ND	7.4	159
09/01/18 05:00 PM	20494	378	1.12	ND	0.003	ND	ND	ND	ND	ND	11.5	144
09/01/18 05:30 PM	20056	376	1.12	ND	0.001	0.006	ND	ND	ND	ND	12.2	140
09/01/18 06:00 PM	20877	375	1.11	ND	0.004	0.005	ND	0.000	ND	ND	12.7	141
09/01/18 06:30 PM	20591	375	1.12	ND	ND	ND	ND	0.001	ND	ND	12.8	135
09/01/18 07:00 PM	20561	374	1.10	ND	ND	ND	ND	ND	ND	ND	13.3	134
09/01/18 07:30 PM	20817	373	1.10	ND	ND	ND	ND	0.001	ND	ND	11.7	133
09/01/18 08:00 PM	21875	372	1.10	ND	ND	ND	0.003	0.000	ND	ND	10.8	129
09/01/18 08:30 PM	21928	373	1.20	ND	ND	0.003	ND	ND	ND	ND	7.7	123
09/01/18 09:00 PM	21424	372	1.13	ND	ND	0.002	ND	0.000	ND	ND	7.6	124
09/01/18 09:30 PM	21650	375	1.11	ND	ND	0.002	ND	0.000	ND	ND	6.4	116
09/01/18 10:00 PM	21960	376	1.08	ND	ND	0.002	ND	0.000	ND	ND	5.3	114
09/01/18 10:30 PM	21696	376	1.09	ND	ND	ND	ND	0.000	ND	ND	7.6	128
09/01/18 11:00 PM	21780	376	1.09	ND	ND	ND	ND	ND	ND	ND	6.9	120
09/01/18 11:30 PM	21858	377	1.09	ND	ND	ND	ND	ND	ND	ND	6.6	119
09/02/18 12:00 AM	22268	376	1.08	ND	ND	ND	ND	ND	0.001	ND	6.6	132

## Daily Processed Summary (Average, Maximum)

Average	21272	389	1.27	0.000	0.000	0.001	0.000	0.000	0.000	BDL	4.2	127
Maximum Value	22767	441	2.56	0.001	0.004	0.007	0.003	0.002	0.004	BDL		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/02/18 12:30 AM	22131	379	1.16	ND	ND	0.002	ND	0.001	ND	ND	5.8	110
09/02/18 01:00 AM	22217	378	1.08	ND	ND	ND	ND	0.001	ND	ND	4.5	140
09/02/18 01:30 AM	22622	377	1.09	ND	ND	ND	ND	0.000	ND	ND	5.5	174
09/02/18 02:00 AM	22298	375	1.09	ND	ND	ND	ND	0.002	ND	0.019	8.0	183
09/02/18 02:30 AM	22223	376	1.09	ND	ND	ND	ND	0.000	ND	0.007	6.6	188
09/02/18 03:00 AM	22404	377	1.09	ND	ND	ND	ND	ND	ND	ND	6.6	190
09/02/18 03:30 AM	22423	375	1.10	ND	ND	ND	ND	0.000	ND	ND	5.0	186
09/02/18 04:00 AM	22491	378	1.09	ND	ND	ND	ND	ND	0.001	ND	4.8	187
09/02/18 04:30 AM	22491	380	1.09	ND	ND	0.004	ND	0.000	ND	ND	3.9	194
09/02/18 05:00 AM	22406	379	1.10	ND	ND	ND	ND	0.000	ND	ND	5.0	191
09/02/18 05:30 AM	22606	379	1.10	ND	ND	ND	ND	0.000	ND	ND	4.8	189
09/02/18 06:00 AM	22508	382	1.10	ND	ND	ND	ND	0.001	ND	ND	2.9	176
09/02/18 06:30 AM	21721	381	1.11	ND	ND	0.002	ND	ND	0.001	ND	4.7	216
09/02/18 07:00 AM	21316	381	1.12	ND	ND	0.006	ND	ND	ND	ND	3.8	226
09/02/18 07:30 AM	21403	382	1.16	ND	ND	ND	ND	0.000	0.000	ND	3.5	256
09/02/18 08:00 AM	21679	390	1.16	ND	ND	ND	ND	0.001	ND	ND	1.6	225
09/02/18 08:30 AM	21953	392	1.30	ND	ND	ND	0.002	0.001	ND	ND	1.9	235
09/02/18 09:00 AM	22101	380	1.13	ND	ND	ND	ND	0.001	ND	ND	2.4	298
09/02/18 09:30 AM	22498	381	1.20	ND	ND	ND	ND	0.001	ND	ND	4.4	321
09/02/18 10:00 AM	22742	380	1.33	ND	ND	ND	ND	0.001	ND	ND	4.1	332
09/02/18 10:30 AM	22804	382	1.30	ND	ND	ND	ND	0.000	ND	ND	2.1	156
09/02/18 11:00 AM	20421	366	1.15	ND	ND	ND	ND	ND	ND	ND	8.7	245
09/02/18 11:30 AM	18194	312	1.13	ND	ND	ND	ND	0.002	ND	ND	6.0	127
09/02/18 12:00 PM	20084	354	1.16	ND	ND	ND	ND	ND	ND	ND	5.1	127
09/02/18 12:30 PM	21293	368	1.15	ND	ND	ND	ND	0.001	ND	ND	3.3	170
09/02/18 01:00 PM	22144	370	1.12	ND	ND	ND	ND	0.001	ND	ND	3.5	146
09/02/18 01:30 PM	22454	375	1.13	ND	ND	ND	ND	0.001	ND	ND	3.3	180
09/02/18 02:00 PM	22624	377	1.11	ND	ND	ND	ND	0.002	ND	ND	2.4	110
09/02/18 02:30 PM	23056	379	1.29	ND	ND	0.005	ND	ND	ND	ND	5.0	188
09/02/18 03:00 PM	22711	380	1.14	ND	ND	ND	ND	0.000	ND	ND	3.9	323
09/02/18 03:30 PM	22772	382	1.16	ND	ND	ND	ND	0.001	ND	ND	3.7	121
09/02/18 04:00 PM	22623	384	1.15	ND	ND	ND	ND	ND	ND	ND	7.0	88
09/02/18 04:30 PM	21903	384	1.16	ND	ND	ND	0.002	0.001	ND	ND	7.7	89
09/02/18 05:00 PM	21567	383	1.17	0.001	ND	0.010	ND	ND	ND	ND	9.9	78
09/02/18 05:30 PM	21278	382	1.20	ND	ND	0.009	ND	0.001	ND	ND	10.9	83
09/02/18 06:00 PM	21537	382	1.18	0.000	ND	ND	ND	0.001	ND	ND	9.1	90
09/02/18 06:30 PM	21468	382	1.18	ND	ND	ND	ND	0.000	ND	0.021	7.7	97
09/02/18 07:00 PM	21529	383	1.17	ND	ND	0.003	ND	ND	ND	0.018	7.8	103
09/02/18 07:30 PM	22024	383	1.17	ND	ND	ND	0.002	0.000	ND	0.004	7.6	101
09/02/18 08:00 PM	22034	383	1.18	ND	ND	ND	0.003	0.001	ND	ND	5.9	99
09/02/18 08:30 PM	22091	386	1.21	ND	ND	0.004	ND	0.001	ND	ND	4.1	87
09/02/18 09:00 PM	22052	386	1.21	ND	ND	ND	0.002	0.000	ND	ND	4.1	116
09/02/18 09:30 PM	21975	382	1.17	ND	ND	ND	ND	0.001	ND	ND	8.9	135
09/02/18 10:00 PM	22126	385	1.18	ND	ND	ND	ND	0.001	ND	ND	7.0	96
09/02/18 10:30 PM	22099	395	1.22	ND	ND	0.009	ND	ND	ND	ND	5.8	55
09/02/18 11:00 PM	22300	393	1.21	0.001	ND	ND	ND	ND	0.001	ND	5.6	66
09/02/18 11:30 PM	22324	391	1.25	0.000	ND	ND	ND	ND	ND	ND	5.6	119
09/03/18 12:00 AM	22342	395	1.24	ND	ND	ND	ND	ND	0.001	ND	3.2	163

## Daily Processed Summary (Average, Maximum)

Average	22001.32	379.2724	1.161872	5.44E-05	BDL	0.001159	0.000195	0.000494	7.43E-05	0.001448	2.897989	133.4436
Maximum Value	23055.58	394.861	1.330555	0.001073	BDL	0.010117	0.002661	0.001812	0.001066	0.020914		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/03/18 12:30 AM	22124	409	1.43	ND	ND	ND	ND	ND	0.002	0.010	3.2	89
09/03/18 01:00 AM	22061	409	1.32	ND	ND	ND	ND	0.001	ND	ND	3.0	131
09/03/18 01:30 AM	22021	408	1.31	0.002	ND	ND	ND	0.002	0.001	ND	2.6	88
09/03/18 02:00 AM	22170	403	1.39	ND	ND	ND	ND	0.003	ND	ND	3.2	127
09/03/18 02:30 AM	23097	393	1.21	ND	ND	ND	ND	0.001	ND	ND	5.2	145
09/03/18 03:00 AM	23635	380	1.08	ND	ND	ND	ND	0.002	ND	ND	7.8	181
09/03/18 03:30 AM	23806	382	1.09	0.001	ND	ND	ND	0.001	ND	ND	7.5	176
09/03/18 04:00 AM	23742	385	1.07	0.002	ND	ND	ND	0.001	ND	ND	7.4	180
09/03/18 04:30 AM	23890	384	1.09	ND	ND	ND	ND	0.000	ND	ND	6.0	180
09/03/18 05:00 AM	23638	384	1.10	ND	ND	ND	ND	0.001	ND	0.005	6.4	180
09/03/18 05:30 AM	23865	384	1.10	ND	ND	ND	ND	0.001	ND	ND	5.5	181
09/03/18 06:00 AM	23209	387	1.11	ND	ND	ND	ND	ND	ND	ND	6.5	195
09/03/18 06:30 AM	22583	393	1.13	ND	ND	ND	ND	ND	ND	ND	4.9	232
09/03/18 07:00 AM	21999	391	1.13	ND	ND	0.004	ND	ND	ND	ND	3.8	193
09/03/18 07:30 AM	21403	390	1.28	ND	ND	ND	ND	0.000	ND	0.003	3.9	179
09/03/18 08:00 AM	21478	388	1.17	ND	ND	ND	ND	ND	ND	ND	6.2	183
09/03/18 08:30 AM	21461	384	1.16	ND	ND	0.002	ND	ND	ND	ND	8.7	173
09/03/18 09:00 AM	21703	393	1.17	ND	ND	ND	ND	0.001	ND	ND	11.0	150
09/03/18 09:30 AM	20535	323	1.12	ND	ND	ND	ND	0.001	ND	ND	15.4	148
09/03/18 10:00 AM	15470	170	0.84	ND	ND	ND	ND	ND	ND	ND	13.6	134
09/03/18 10:30 AM	19584	308	1.08	ND	ND	ND	ND	ND	ND	ND	7.6	120
09/03/18 11:00 AM	19001	277	1.02	ND	ND	ND	ND	ND	ND	ND	6.6	103
09/03/18 11:30 AM	19880	315	1.14	ND	ND	ND	ND	ND	ND	ND	5.3	98
09/03/18 12:00 PM	21638	366	1.15	ND	ND	ND	ND	ND	ND	ND	5.6	108
09/03/18 12:30 PM	22968	381	1.19	ND	ND	ND	ND	0.000	ND	ND	6.0	93
09/03/18 01:00 PM	23096	384	1.16	ND	ND	0.011	ND	0.001	ND	ND	5.9	64
09/03/18 01:30 PM	22970	386	1.18	ND	ND	ND	ND	0.000	ND	ND	7.7	75
09/03/18 02:00 PM	22971	386	1.18	ND	ND	ND	ND	0.000	ND	ND	8.3	87
09/03/18 02:30 PM	22433	388	1.18	ND	ND	0.003	ND	0.000	ND	ND	9.1	84
09/03/18 03:00 PM	22754	387	1.17	ND	ND	ND	ND	0.000	ND	ND	9.7	81
09/03/18 03:30 PM	22736	385	1.18	0.001	ND	0.003	ND	0.001	0.000	ND	10.5	101
09/03/18 04:00 PM	21929	384	1.19	ND	ND	0.013	ND	0.000	ND	ND	10.3	101
09/03/18 04:30 PM	22102	384	1.17	ND	ND	0.032	ND	ND	ND	ND	9.1	113
09/03/18 05:00 PM	22347	385	1.15	ND	ND	0.029	ND	ND	ND	ND	10.9	114
09/03/18 05:30 PM	23119	385	1.15	ND	ND	0.012	0.003	ND	ND	ND	11.8	115
09/03/18 06:00 PM	23197	385	1.13	ND	ND	0.004	0.001	0.001	ND	ND	11.6	117
09/03/18 06:30 PM	23049	384	1.14	ND	ND	0.012	ND	0.002	ND	ND	11.1	115
09/03/18 07:00 PM	23019	383	1.15	ND	ND	0.004	ND	0.001	ND	ND	11.2	108
09/03/18 07:30 PM	22749	383	1.13	ND	ND	ND	ND	0.000	ND	ND	11.5	105
09/03/18 08:00 PM	22330	384	1.15	ND	ND	ND	0.002	ND	ND	ND	9.9	100
09/03/18 08:30 PM	22129	383	1.15	ND	ND	0.003	0.002	0.001	ND	ND	9.7	99
09/03/18 09:00 PM	22695	386	1.17	ND	ND	0.003	0.005	0.000	ND	ND	9.0	94
09/03/18 09:30 PM	23023	384	1.20	ND	ND	ND	0.003	0.001	ND	ND	8.1	90
09/03/18 10:00 PM	23206	385	1.20	ND	ND	0.002	ND	0.001	0.001	ND	8.0	84
09/03/18 10:30 PM	23094	387	1.16	ND	ND	0.004	ND	0.001	ND	0.004	6.9	77
09/03/18 11:00 PM	23011	389	1.19	ND	ND	ND	ND	ND	ND	ND	7.4	81
09/03/18 11:30 PM	22973	392	1.18	ND	ND	ND	ND	0.000	ND	ND	6.3	76
09/04/18 12:00 AM	22748	393	1.24	ND	ND	0.004	ND	0.000	ND	ND	4.6	81

## Daily Processed Summary (Average, Maximum)

Average	22305.1	376.1599	1.162243	0.000116	BDL	0.003009	0.000326	0.000552	0.000101	0.000485	6.218973	118.9981
Maximum Value	23890.17	409.0847	1.425928	0.002355	BDL	0.031516	0.004948	0.00257	0.002135	0.010401		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/04/18 12:30 AM	22714	396	1.35	ND	ND	ND	ND	0.000	ND	ND	4.9	80
09/04/18 01:00 AM	22602	398	1.23	ND	ND	ND	ND	0.001	ND	ND	4.9	68
09/04/18 01:30 AM	22605	398	1.23	ND	ND	ND	ND	0.000	ND	ND	6.2	65
09/04/18 02:00 AM	22614	397	1.26	ND	ND	ND	ND	0.000	ND	ND	5.5	72
09/04/18 02:30 AM	22484	399	1.24	ND	ND	ND	ND	0.000	ND	ND	4.1	60
09/04/18 03:00 AM	22245	403	1.25	ND	ND	ND	ND	0.000	ND	ND	4.5	56
09/04/18 03:30 AM	21973	409	1.27	ND	ND	ND	0.002	0.000	0.001	ND	4.6	56
09/04/18 04:00 AM	21903	408	1.29	ND	ND	ND	0.002	0.001	ND	ND	5.5	60
09/04/18 04:30 AM	21858	411	1.28	ND	ND	ND	ND	ND	ND	ND	5.5	70
09/04/18 05:00 AM	21858	410	1.28	ND	ND	ND	ND	0.001	ND	ND	5.5	65
09/04/18 05:30 AM	21721	410	1.28	ND	ND	ND	ND	0.001	ND	ND	4.8	54
09/04/18 06:00 AM	21434	414	1.29	ND	ND	ND	ND	ND	ND	ND	5.1	46
09/04/18 06:30 AM	21365	411	1.30	ND	ND	ND	ND	ND	ND	ND	5.1	49
09/04/18 07:00 AM	21267	410	1.31	ND	ND	0.003	ND	0.000	0.001	ND	6.0	55
09/04/18 07:30 AM	21130	411	1.29	ND	ND	0.003	0.001	0.001	ND	ND	5.7	47
09/04/18 08:00 AM	21257	410	1.28	ND	ND	ND	ND	0.001	ND	ND	6.1	59
09/04/18 08:30 AM	21539	405	1.28	ND	ND	ND	ND	0.001	ND	ND	7.2	70
09/04/18 09:00 AM	21700	386	1.34	ND	ND	ND	ND	0.002	ND	ND	6.1	87
09/04/18 09:30 AM	21694	389	1.25	ND	ND	ND	ND	0.000	ND	0.006	6.2	78
09/04/18 10:00 AM	22097	384	1.19	ND	ND	ND	0.003	ND	ND	ND	6.5	91
09/04/18 10:30 AM	21625	382	1.19	ND	ND	ND	0.002	ND	ND	ND	7.2	82
09/04/18 11:00 AM	20989	386	1.18	ND	ND	ND	ND	ND	ND	ND	6.9	87
09/04/18 11:30 AM	20407	386	1.19	ND	ND	ND	ND	ND	ND	ND	8.1	84
09/04/18 12:00 PM	20348	385	1.19	ND	ND	ND	ND	ND	ND	ND	7.2	87
09/04/18 12:30 PM	19828	387	1.19	ND	ND	ND	ND	ND	ND	ND	5.8	97
09/04/18 01:00 PM	19648	387	1.19	ND	ND	ND	ND	ND	ND	ND	7.7	102
09/04/18 01:30 PM	19632	387	1.19	ND	ND	ND	ND	ND	ND	ND	4.1	146
09/04/18 02:00 PM	19745	386	1.18	ND	ND	ND	ND	ND	ND	ND	2.3	202
09/04/18 02:30 PM	20374	383	1.15	ND	ND	ND	ND	ND	ND	ND	6.4	135
09/04/18 03:00 PM	21305	383	1.14	ND	ND	ND	ND	ND	ND	ND	9.5	108
09/04/18 03:30 PM	20432	384	1.15	ND	ND	ND	ND	ND	ND	ND	9.8	126
09/04/18 04:00 PM	20710	382	1.15	ND	ND	ND	ND	ND	ND	ND	10.6	116
09/04/18 04:30 PM	21808	381	1.14	ND	ND	ND	ND	ND	ND	ND	10.4	88
09/04/18 05:00 PM	22263	379	1.15	ND	ND	ND	ND	ND	ND	ND	9.3	93
09/04/18 05:30 PM	21630	380	1.16	ND	ND	ND	ND	ND	ND	ND	8.5	93
09/04/18 06:00 PM	22130	377	1.15	ND	ND	ND	ND	ND	ND	ND	9.7	73
09/04/18 06:30 PM	22019	378	1.15	ND	ND	ND	ND	ND	ND	ND	9.5	79
09/04/18 07:00 PM	21868	378	1.16	ND	ND	ND	ND	ND	ND	ND	10.3	85
09/04/18 07:30 PM	21991	378	1.16	ND	ND	ND	ND	ND	ND	ND	8.2	87
09/04/18 08:00 PM	22408	380	1.15	ND	ND	ND	ND	ND	ND	ND	6.1	76
09/04/18 08:30 PM	22720	381	1.18	ND	ND	ND	ND	ND	ND	ND	7.2	80
09/04/18 09:00 PM	22653	379	1.20	ND	ND	ND	ND	0.000	ND	0.004	8.2	85
09/04/18 09:30 PM	22346	383	1.19	ND	ND	ND	ND	0.000	ND	ND	5.3	71
09/04/18 10:00 PM	22606	386	1.15	ND	ND	ND	0.002	0.000	ND	ND	4.7	58
09/04/18 10:30 PM	22545	388	1.18	ND	ND	ND	ND	0.000	ND	ND	4.7	63
09/04/18 11:00 PM	22389	392	1.21	ND	ND	ND	ND	ND	ND	ND	5.1	64
09/04/18 11:30 PM	22083	394	1.20	ND	ND	ND	ND	0.001	ND	ND	4.1	50
09/05/18 12:00 AM	21998	396	1.20	ND	ND	ND	ND	0.000	ND	ND	4.2	61

## Daily Processed Summary (Average, Maximum)

Average	21636.71	391.7349	1.215263	BDL	BDL	0.000113	0.000232	0.000255	2.21E-05	0.000211	5.978804	81.08235
Maximum Value	22720.24	413.5751	1.353349	BDL	BDL	0.002924	0.002688	0.001583	0.000556	0.006191		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/05/18 12:30 AM	22086	394	1.24	ND	ND	ND	ND	0.000	ND	ND	4.8	75
09/05/18 01:00 AM	22098	395	1.23	ND	ND	ND	ND	0.000	ND	ND	4.4	61
09/05/18 01:30 AM	21923	398	1.25	ND	ND	0.002	ND	0.000	ND	ND	4.3	47
09/05/18 02:00 AM	21807	400	1.24	ND	ND	ND	ND	0.001	0.001	ND	4.4	50
09/05/18 02:30 AM	21586	401	1.24	ND	ND	ND	ND	ND	0.002	0.008	4.1	33
09/05/18 03:00 AM	21465	402	1.22	ND	ND	ND	ND	0.000	ND	ND	4.0	53
09/05/18 03:30 AM	21405	401	1.23	ND	ND	0.009	ND	0.000	ND	ND	4.4	37
09/05/18 04:00 AM	21286	404	1.26	ND	ND	0.011	ND	ND	ND	ND	5.0	36
09/05/18 04:30 AM	21229	403	1.23	ND	ND	ND	ND	0.000	ND	ND	5.3	40
09/05/18 05:00 AM	21236	402	1.27	ND	ND	0.006	ND	ND	ND	ND	6.0	39
09/05/18 05:30 AM	21209	402	1.33	ND	ND	ND	ND	ND	ND	ND	5.5	52
09/05/18 06:00 AM	21302	402	1.34	ND	ND	ND	ND	ND	ND	ND	4.1	47
09/05/18 06:30 AM	21246	406	1.32	ND	ND	ND	ND	ND	ND	ND	5.1	38
09/05/18 07:00 AM	21135	403	1.30	ND	ND	ND	ND	0.001	0.001	ND	5.0	40
09/05/18 07:30 AM	19211	316	1.19	ND	ND	ND	ND	0.001	ND	ND	5.6	67
09/05/18 08:00 AM	20029	343	1.22	ND	ND	ND	ND	ND	ND	ND	3.0	193
09/05/18 08:30 AM	21146	394	1.51	ND	ND	ND	ND	ND	ND	ND	3.3	198
09/05/18 09:00 AM	21476	383	1.30	ND	ND	ND	ND	ND	ND	ND	3.5	79
09/05/18 09:30 AM	21751	381	1.21	ND	ND	ND	ND	0.001	ND	ND	3.5	197
09/05/18 10:00 AM	21613	382	1.19	ND	ND	ND	ND	0.001	ND	ND	5.2	275
09/05/18 10:30 AM	22143	384	1.19	ND	ND	ND	ND	ND	ND	ND	4.6	79
09/05/18 11:00 AM	22050	383	1.17	ND	ND	ND	ND	ND	0.001	ND	4.6	78
09/05/18 11:30 AM	21756	383	1.16	ND	ND	ND	ND	ND	ND	ND	3.1	76
09/05/18 12:00 PM	21623	383	1.15	ND	ND	ND	ND	ND	0.001	ND	5.1	47
09/05/18 12:30 PM	21493	381	1.14	ND	ND	ND	ND	ND	ND	ND	5.6	58
09/05/18 01:00 PM	21741	382	1.14	ND	ND	ND	ND	ND	0.007	ND	6.2	149
09/05/18 01:30 PM	21839	379	1.14	ND	ND	ND	ND	ND	ND	ND	7.9	199
09/05/18 02:00 PM	21231	377	1.13	ND	ND	ND	ND	ND	0.003	ND	6.7	206
09/05/18 02:30 PM	22409	379	1.12	ND	ND	ND	ND	ND	0.001	ND	7.0	215
09/05/18 03:00 PM	20386	380	1.17	ND	ND	ND	ND	ND	0.005	ND	5.6	283
09/05/18 03:30 PM	20147	377	1.17	ND	ND	ND	ND	ND	0.005	ND	4.6	238
09/05/18 04:00 PM	21448	378	1.14	ND	ND	ND	ND	ND	0.001	ND	8.2	147
09/05/18 04:30 PM	21697	379	1.13	ND	ND	ND	ND	ND	ND	ND	10.1	110
09/05/18 05:00 PM	22007	377	1.15	ND	ND	ND	ND	ND	ND	ND	9.6	93
09/05/18 05:30 PM	22536	378	1.14	ND	ND	ND	ND	0.000	ND	0.008	8.4	87
09/05/18 06:00 PM	22096	377	1.15	ND	ND	ND	ND	0.000	ND	ND	9.7	87
09/05/18 06:30 PM	22262	375	1.15	ND	ND	ND	ND	ND	0.001	ND	8.9	97
09/05/18 07:00 PM	22013	374	1.14	ND	ND	ND	ND	ND	ND	ND	8.6	96
09/05/18 07:30 PM	22326	377	1.14	ND	ND	ND	0.018	ND	ND	ND	7.0	100
09/05/18 08:00 PM	22785	378	1.17	ND	ND	ND	0.015	ND	ND	ND	6.5	95
09/05/18 08:30 PM	22987	381	1.16	ND	ND	ND	ND	ND	ND	ND	5.9	104
09/05/18 09:00 PM	22972	383	1.29	ND	ND	0.003	ND	0.001	ND	ND	5.2	97
09/05/18 09:30 PM	22458	381	1.18	ND	ND	ND	ND	0.001	0.001	ND	5.3	108
09/05/18 10:00 PM	22116	380	1.13	ND	ND	0.006	ND	0.001	ND	ND	5.3	112
09/05/18 10:30 PM	22114	383	1.31	ND	ND	ND	ND	0.000	0.001	ND	4.6	98
09/05/18 11:00 PM	22130	386	1.38	ND	ND	ND	ND	ND	ND	ND	5.0	92
09/05/18 11:30 PM	22038	389	1.44	ND	ND	ND	ND	0.001	0.001	ND	4.7	92
09/06/18 12:00 AM	21981	394	1.31	ND	ND	ND	ND	0.002	0.001	ND	2.4	130

## Daily Processed Summary (Average, Maximum)

Average	21687.91	384.7356	1.218691	BDL	BDL	0.000762	0.00068	0.000251	0.000611	0.000325	3.370711	89.72149
Maximum Value	22986.94	405.5419	1.509483	BDL	BDL	0.010822	0.017975	0.001792	0.00663	0.007844		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/06/18 12:30 AM	21956	403	1.22	ND	ND	ND	ND	0.002	ND	ND	1.0	310
09/06/18 01:00 AM	21776	414	1.20	ND	ND	ND	ND	0.001	ND	ND	2.2	130
09/06/18 01:30 AM	21891	416	1.23	ND	ND	ND	ND	0.001	ND	ND	4.4	54
09/06/18 02:00 AM	21895	422	1.24	ND	ND	ND	ND	0.001	0.000	ND	3.5	80
09/06/18 02:30 AM	22133	413	1.22	ND	ND	ND	ND	0.000	ND	ND	1.7	154
09/06/18 03:00 AM	22412	406	1.21	ND	ND	ND	ND	ND	ND	ND	3.5	52
09/06/18 03:30 AM	22298	410	1.22	ND	ND	ND	ND	0.000	ND	ND	2.2	84
09/06/18 04:00 AM	22166	415	1.43	ND	ND	0.003	ND	0.000	ND	ND	1.8	78
09/06/18 04:30 AM	21650	439	1.73	ND	ND	ND	ND	0.001	ND	0.008	3.3	128
09/06/18 05:00 AM	21450	441	1.39	ND	ND	0.002	ND	ND	0.001	ND	3.3	127
09/06/18 05:30 AM	21496	438	2.76	ND	ND	ND	ND	ND	ND	ND	5.1	19
09/06/18 06:00 AM	21542	433	1.91	0.001	ND	ND	ND	ND	ND	ND	5.6	59
09/06/18 06:30 AM	19924	379	1.18	ND	ND	ND	ND	ND	ND	ND	5.9	266
09/06/18 07:00 AM	20660	389	1.21	ND	ND	ND	ND	ND	ND	ND	4.1	179
09/06/18 07:30 AM	15887	189	1.03	ND	ND	ND	ND	ND	ND	ND	7.5	48
09/06/18 08:00 AM	19263	320	1.70	ND	ND	ND	ND	ND	ND	ND	6.6	45
09/06/18 08:30 AM	18542	272	1.09	ND	ND	ND	ND	ND	ND	ND	7.0	103
09/06/18 09:00 AM	19466	320	1.21	ND	ND	ND	ND	ND	ND	ND	6.9	82
09/06/18 09:30 AM	19855	326	1.12	ND	ND	ND	ND	ND	ND	ND	6.7	60
09/06/18 10:00 AM	20768	377	1.16	ND	ND	ND	ND	ND	ND	ND	5.9	45
09/06/18 10:30 AM	20774	381	1.16	ND	ND	ND	ND	ND	ND	ND	3.6	47
09/06/18 11:00 AM	21168	383	1.17	ND	ND	ND	ND	ND	ND	ND	4.9	187
09/06/18 11:30 AM	21137	371	1.15	ND	ND	ND	ND	ND	ND	ND	8.8	218
09/06/18 12:00 PM	20968	376	1.16	ND	ND	ND	ND	ND	ND	ND	3.1	190
09/06/18 12:30 PM	21048	378	1.19	ND	ND	ND	ND	ND	ND	ND	2.2	49
09/06/18 01:00 PM	20949	381	1.18	ND	ND	ND	ND	ND	ND	ND	3.8	27
09/06/18 01:30 PM	20981	377	1.16	ND	ND	ND	ND	ND	ND	ND	4.4	57
09/06/18 02:00 PM	21094	376	1.17	ND	ND	ND	ND	ND	ND	ND	4.1	37
09/06/18 02:30 PM	20871	378	1.17	ND	ND	ND	ND	ND	ND	ND	5.6	61
09/06/18 03:00 PM	20845	379	1.16	ND	ND	ND	ND	ND	ND	ND	4.6	41
09/06/18 03:30 PM	20921	372	1.16	ND	ND	ND	ND	ND	ND	ND	5.2	71
09/06/18 04:00 PM	20887	373	1.17	ND	ND	ND	ND	ND	ND	ND	4.2	73
09/06/18 04:30 PM	21426	383	1.24	ND	ND	ND	ND	ND	ND	ND	4.4	65
09/06/18 05:00 PM	21376	383	1.21	ND	ND	ND	ND	ND	ND	ND	4.0	87
09/06/18 05:30 PM	21461	383	1.22	ND	ND	ND	ND	ND	ND	ND	1.6	154
09/06/18 06:00 PM	21693	386	1.23	ND	ND	ND	ND	ND	ND	ND	3.0	63
09/06/18 06:30 PM	21898	387	1.36	ND	ND	ND	ND	ND	ND	ND	4.5	85
09/06/18 07:00 PM	22125	387	1.24	ND	ND	ND	ND	ND	ND	ND	5.7	107
09/06/18 07:30 PM	22225	389	1.24	ND	ND	ND	ND	ND	ND	ND	6.3	102
09/06/18 08:00 PM	22268	390	1.25	ND	ND	ND	ND	ND	ND	ND	4.4	93
09/06/18 08:30 PM	22215	397	1.28	ND	ND	ND	ND	ND	ND	ND	3.1	61
09/06/18 09:00 PM	22278	400	1.33	ND	ND	ND	ND	ND	ND	ND	2.6	98
09/06/18 09:30 PM	22391	403	1.48	ND	ND	ND	ND	ND	ND	ND	2.4	114
09/06/18 10:00 PM	22610	400	1.31	ND	ND	ND	ND	ND	ND	ND	3.3	101
09/06/18 10:30 PM	22663	404	1.35	ND	ND	ND	ND	ND	ND	ND	3.5	99
09/06/18 11:00 PM	22550	407	1.35	ND	ND	ND	ND	ND	ND	ND	4.7	86
09/06/18 11:30 PM	22642	410	1.52	ND	ND	ND	ND	ND	ND	ND	3.4	83
09/07/18 12:00 AM	22598	415	1.41	ND	ND	ND	ND	ND	ND	ND	1.6	68

## Daily Processed Summary (Average, Maximum)

Average	21314.34	384.8241	1.301719	1.8E-05	BDL	0.000106	BDL	0.000129	2.4E-05	0.000157	2.821789	78.92907
Maximum Value	22663.41	441.4765	2.756756	0.000864	BDL	0.002714	BDL	0.002028	0.000735	0.007551		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/07/18 12:30 AM	22579	411	1.29	ND	ND	ND	ND	ND	ND	ND	2.5	101
09/07/18 01:00 AM	22516	415	1.37	ND	ND	ND	ND	ND	ND	ND	3.2	66
09/07/18 01:30 AM	22464	421	1.37	ND	ND	ND	ND	ND	ND	ND	3.1	96
09/07/18 02:00 AM	22726	412	1.32	ND	ND	ND	ND	ND	ND	ND	1.8	186
09/07/18 02:30 AM	23001	407	1.32	ND	ND	ND	ND	ND	ND	ND	1.8	169
09/07/18 03:00 AM	23642	398	1.21	ND	ND	ND	ND	ND	ND	ND	2.8	146
09/07/18 03:30 AM	23979	387	1.15	ND	ND	ND	ND	ND	ND	ND	5.0	185
09/07/18 04:00 AM	24005	390	1.15	ND	ND	ND	ND	ND	ND	ND	4.3	186
09/07/18 04:30 AM	23798	401	1.18	ND	ND	ND	ND	ND	ND	ND	2.1	139
09/07/18 05:00 AM	23747	411	1.35	ND	ND	ND	ND	ND	ND	ND	1.3	99
09/07/18 05:30 AM	23349	428	1.27	ND	ND	ND	ND	ND	ND	ND	1.8	40
09/07/18 06:00 AM	23286	425	1.43	ND	ND	ND	ND	ND	ND	ND	1.9	100
09/07/18 06:30 AM	23176	431	1.44	ND	ND	ND	ND	ND	ND	ND	1.2	102
09/07/18 07:00 AM	22587	451	1.40	ND	ND	ND	ND	ND	ND	ND	2.0	81
09/07/18 07:30 AM	22318	454	1.45	ND	ND	ND	ND	ND	ND	ND	1.8	27
09/07/18 08:00 AM	22163	457	1.44	ND	ND	ND	ND	ND	ND	ND	3.1	35
09/07/18 08:30 AM	22781	447	1.46	ND	ND	ND	ND	ND	ND	ND	2.2	58
09/07/18 09:00 AM	23907	432	1.39	ND	ND	ND	ND	ND	ND	ND	1.3	52
09/07/18 09:30 AM	24292	406	1.27	ND	ND	ND	ND	ND	ND	ND	1.3	178
09/07/18 10:00 AM	24226	397	1.20	ND	ND	ND	ND	ND	ND	ND	1.9	149
09/07/18 10:30 AM	23681	394	1.18	ND	ND	ND	ND	ND	ND	ND	1.7	190
09/07/18 11:00 AM	23125	391	1.18	ND	ND	ND	ND	ND	ND	ND	3.3	152
09/07/18 11:30 AM	23261	393	1.19	ND	ND	ND	ND	ND	ND	ND	2.6	93
09/07/18 12:00 PM	22203	391	1.19	ND	ND	ND	ND	ND	ND	ND	3.0	120
09/07/18 12:30 PM	22899	387	1.16	ND	ND	ND	ND	ND	ND	ND	7.6	208
09/07/18 01:00 PM	21602	386	1.17	ND	ND	ND	ND	ND	ND	ND	7.4	213
09/07/18 01:30 PM	21954	386	1.17	ND	ND	ND	ND	ND	ND	ND	7.3	196
09/07/18 02:00 PM	21725	386	1.17	ND	ND	ND	ND	ND	ND	ND	8.0	178
09/07/18 02:30 PM	22204	387	1.16	ND	ND	ND	ND	ND	ND	ND	8.6	168
09/07/18 03:00 PM	21850	385	1.15	ND	ND	ND	ND	ND	ND	ND	9.4	140
09/07/18 03:30 PM	22186	383	1.13	ND	ND	ND	ND	ND	ND	ND	12.6	142
09/07/18 04:00 PM	22113	385	1.14	ND	ND	ND	ND	ND	ND	ND	12.4	146
09/07/18 04:30 PM	21693	388	1.15	ND	ND	ND	ND	ND	ND	ND	11.5	150
09/07/18 05:00 PM	21688	385	1.13	ND	ND	ND	ND	ND	ND	ND	12.3	150
09/07/18 05:30 PM	21675	387	1.14	ND	ND	ND	ND	ND	ND	ND	11.8	149
09/07/18 06:00 PM	21405	385	1.14	ND	ND	ND	ND	ND	ND	ND	12.3	141
09/07/18 06:30 PM	21593	384	1.15	ND	ND	ND	ND	ND	ND	ND	11.5	145
09/07/18 07:00 PM	21868	385	1.14	ND	ND	ND	ND	ND	ND	ND	11.3	153
09/07/18 07:30 PM	21448	383	1.13	ND	ND	ND	ND	ND	ND	ND	12.1	144
09/07/18 08:00 PM	21296	382	1.13	ND	ND	ND	ND	ND	ND	ND	11.4	143
09/07/18 08:30 PM	21435	379	1.20	ND	ND	ND	ND	ND	ND	ND	12.0	138
09/07/18 09:00 PM	22206	380	1.14	ND	ND	ND	ND	ND	ND	ND	10.0	138
09/07/18 09:30 PM	22314	378	1.13	ND	ND	ND	ND	ND	ND	ND	7.7	128
09/07/18 10:00 PM	22240	376	1.12	ND	ND	ND	ND	ND	ND	ND	8.8	128
09/07/18 10:30 PM	21875	381	1.13	ND	ND	ND	ND	ND	ND	ND	10.4	143
09/07/18 11:00 PM	22886	382	1.12	ND	ND	ND	ND	ND	ND	ND	8.4	158
09/07/18 11:30 PM	22455	376	1.10	ND	ND	ND	ND	ND	ND	ND	8.5	171
09/08/18 12:00 AM	22191	377	1.11	ND	ND	ND	ND	ND	ND	ND	7.4	170

## Daily Processed Summary (Average, Maximum)

Average	22575.27	398.7882	1.221229	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.366464	148.4082
Maximum Value	24291.83	456.928	1.4622	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/08/18 12:30 AM	22657	378	1.12	ND	ND	ND	ND	ND	ND	ND	7.6	169
09/08/18 01:00 AM	22578	379	1.12	ND	ND	ND	ND	ND	ND	ND	8.5	178
09/08/18 01:30 AM	22821	379	1.12	ND	ND	ND	ND	ND	ND	ND	7.9	180
09/08/18 02:00 AM	22453	380	1.12	ND	ND	ND	ND	ND	ND	ND	7.5	174
09/08/18 02:30 AM	22467	384	1.13	ND	ND	ND	ND	ND	ND	ND	6.4	165
09/08/18 03:00 AM	22676	380	1.13	ND	ND	ND	ND	ND	ND	ND	6.6	187
09/08/18 03:30 AM	22707	382	1.15	ND	ND	ND	ND	ND	ND	ND	5.4	189
09/08/18 04:00 AM	22449	382	1.13	ND	ND	ND	ND	ND	ND	ND	5.5	183
09/08/18 04:30 AM	22651	381	1.14	ND	ND	ND	ND	ND	ND	ND	5.9	180
09/08/18 05:00 AM	22910	386	1.22	ND	ND	ND	ND	ND	ND	ND	3.9	129
09/08/18 05:30 AM	22785	391	1.31	ND	ND	ND	ND	ND	ND	ND	1.9	118
09/08/18 06:00 AM	22631	391	1.25	ND	ND	ND	0.011	ND	ND	ND	2.6	102
09/08/18 06:30 AM	22666	392	1.37	ND	ND	ND	ND	ND	ND	ND	1.6	118
09/08/18 07:00 AM	22942	386	1.20	ND	ND	ND	ND	ND	ND	ND	3.2	212
09/08/18 07:30 AM	22937	383	1.20	ND	ND	ND	ND	ND	ND	ND	5.2	198
09/08/18 08:00 AM	23054	381	1.24	ND	ND	ND	ND	ND	ND	ND	5.2	190
09/08/18 08:30 AM	23090	378	1.15	ND	ND	ND	ND	ND	ND	ND	5.9	191
09/08/18 09:00 AM	22872	378	1.12	ND	ND	ND	ND	ND	ND	ND	8.0	178
09/08/18 09:30 AM	22311	377	1.12	ND	ND	ND	ND	ND	ND	ND	8.8	177
09/08/18 10:00 AM	21994	377	1.11	ND	ND	ND	ND	ND	ND	ND	9.2	179
09/08/18 10:30 AM	22108	376	1.11	ND	ND	ND	ND	ND	ND	ND	7.3	186
09/08/18 11:00 AM	22066	375	1.11	ND	ND	ND	ND	ND	ND	ND	9.1	179
09/08/18 11:30 AM	21785	378	1.11	ND	ND	ND	ND	ND	ND	ND	8.9	185
09/08/18 12:00 PM	21194	380	1.13	ND	ND	ND	ND	ND	ND	ND	9.3	156
09/08/18 12:30 PM	21481	381	1.12	ND	ND	ND	ND	ND	ND	ND	9.6	158
09/08/18 01:00 PM	21101	380	1.12	ND	ND	ND	ND	ND	ND	ND	11.2	140
09/08/18 01:30 PM	21043	379	1.12	ND	ND	ND	ND	ND	ND	ND	9.8	155
09/08/18 02:00 PM	21276	380	1.11	ND	ND	ND	ND	ND	ND	ND	10.9	153
09/08/18 02:30 PM	21396	379	1.11	ND	ND	ND	ND	ND	ND	ND	11.5	153
09/08/18 03:00 PM	21620	380	1.11	ND	ND	ND	ND	ND	ND	ND	11.3	149
09/08/18 03:30 PM	21307	378	1.10	ND	ND	ND	ND	ND	ND	ND	11.2	152
09/08/18 04:00 PM	21272	382	1.12	ND	ND	ND	ND	ND	ND	ND	11.3	155
09/08/18 04:30 PM	21334	379	1.11	ND	ND	ND	ND	ND	ND	ND	12.4	143
09/08/18 05:00 PM	21779	377	1.12	ND	ND	ND	ND	ND	ND	ND	11.6	142
09/08/18 05:30 PM	21257	378	1.13	ND	ND	ND	ND	ND	ND	ND	12.2	146
09/08/18 06:00 PM	21071	377	1.15	ND	ND	ND	ND	ND	ND	ND	11.7	142
09/08/18 06:30 PM	21229	375	1.12	ND	ND	ND	ND	ND	ND	ND	9.3	127
09/08/18 07:00 PM	21542	374	1.12	ND	ND	ND	ND	ND	ND	ND	9.3	124
09/08/18 07:30 PM	21484	375	1.11	ND	ND	ND	ND	ND	ND	ND	7.9	122
09/08/18 08:00 PM	21433	377	1.12	ND	ND	ND	ND	ND	ND	ND	6.6	120
09/08/18 08:30 PM	21238	377	1.11	ND	ND	ND	ND	ND	ND	ND	6.3	120
09/08/18 09:00 PM	21426	377	1.12	ND	ND	ND	ND	ND	ND	ND	6.6	125
09/08/18 09:30 PM	21220	378	1.14	ND	ND	ND	ND	ND	ND	ND	6.1	118
09/08/18 10:00 PM	21062	379	1.15	ND	ND	ND	ND	ND	ND	ND	5.5	117
09/08/18 10:30 PM	21314	388	1.47	ND	ND	ND	ND	ND	ND	ND	4.2	99
09/08/18 11:00 PM	21513	393	1.57	ND	ND	ND	ND	ND	ND	ND	4.3	94
09/08/18 11:30 PM	21503	392	1.33	ND	ND	ND	ND	ND	ND	ND	3.3	112
09/09/18 12:00 AM	21505	398	1.42	ND	ND	ND	ND	ND	ND	ND	4.1	83

## Daily Processed Summary (Average, Maximum)

Average	21941.88	381.047	1.168726	BDL	BDL	BDL	0.000234	BDL	BDL	BDL	6.747774	153.7569
Maximum Value	23090.44	398.452	1.571401	BDL	BDL	BDL	0.011228	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/09/18 12:30 AM	21372	413	1.25	ND	ND	ND	0.023	ND	ND	ND	4.6	53
09/09/18 01:00 AM	21733	415	1.25	ND	ND	ND	ND	ND	ND	ND	4.2	274
09/09/18 01:30 AM	21755	416	1.27	ND	ND	ND	0.006	ND	ND	ND	4.1	78
09/09/18 02:00 AM	22200	421	1.31	ND	ND	ND	ND	ND	ND	ND	3.4	174
09/09/18 02:30 AM	22252	427	1.33	ND	ND	ND	ND	ND	ND	ND	2.6	228
09/09/18 03:00 AM	22273	411	1.32	ND	ND	ND	ND	ND	ND	ND	3.1	244
09/09/18 03:30 AM	21917	404	1.49	ND	ND	ND	ND	ND	ND	ND	4.2	82
09/09/18 04:00 AM	21589	409	1.42	ND	ND	ND	ND	ND	ND	ND	4.2	17
09/09/18 04:30 AM	21464	412	1.37	ND	ND	ND	ND	ND	ND	ND	3.5	49
09/09/18 05:00 AM	21238	412	1.37	ND	ND	ND	ND	ND	ND	ND	5.1	52
09/09/18 05:30 AM	21195	411	1.41	ND	ND	ND	ND	ND	ND	ND	5.1	42
09/09/18 06:00 AM	21067	414	1.40	ND	ND	ND	ND	ND	ND	ND	3.3	60
09/09/18 06:30 AM	21033	413	1.40	ND	ND	ND	ND	ND	ND	ND	3.0	38
09/09/18 07:00 AM	21081	413	1.41	ND	ND	ND	ND	ND	ND	ND	2.2	88
09/09/18 07:30 AM	21057	418	1.46	ND	ND	ND	ND	ND	ND	ND	2.7	68
09/09/18 08:00 AM	21087	419	1.41	ND	ND	ND	ND	ND	ND	ND	3.6	38
09/09/18 08:30 AM	21655	413	1.38	ND	ND	ND	0.007	ND	ND	ND	2.8	41
09/09/18 09:00 AM	22273	403	1.40	ND	ND	ND	ND	ND	ND	ND	8.7	281
09/09/18 09:30 AM	21573	384	1.25	ND	ND	ND	ND	ND	ND	ND	5.8	277
09/09/18 10:00 AM	21125	377	1.18	ND	ND	ND	ND	ND	ND	ND	3.2	258
09/09/18 10:30 AM	21294	376	1.19	ND	ND	ND	ND	ND	ND	ND	1.9	144
09/09/18 11:00 AM	21288	378	1.18	ND	ND	ND	ND	ND	ND	ND	2.2	162
09/09/18 11:30 AM	21498	378	1.18	ND	ND	ND	0.015	ND	ND	ND	3.9	235
09/09/18 12:00 PM	21703	378	1.21	ND	ND	ND	ND	ND	ND	ND	4.0	347
09/09/18 12:30 PM	21722	381	1.27	ND	ND	ND	ND	ND	ND	ND	6.0	355
09/09/18 01:00 PM	21724	385	1.27	ND	ND	ND	ND	ND	ND	ND	6.8	68
09/09/18 01:30 PM	21418	380	1.22	ND	ND	ND	0.005	ND	ND	ND	8.2	180
09/09/18 02:00 PM	21412	376	1.21	ND	ND	ND	0.011	ND	ND	ND	8.3	291
09/09/18 02:30 PM	21166	375	1.20	ND	ND	ND	0.005	ND	ND	ND	8.6	75
09/09/18 03:00 PM	20784	374	1.21	ND	ND	ND	ND	ND	ND	ND	9.0	14
09/09/18 03:30 PM	20583	374	1.20	ND	ND	ND	ND	ND	ND	ND	7.9	21
09/09/18 04:00 PM	20395	374	1.20	ND	ND	ND	0.004	ND	ND	ND	8.8	19
09/09/18 04:30 PM	20677	375	1.19	ND	ND	ND	ND	ND	ND	ND	7.3	42
09/09/18 05:00 PM	20773	375	1.17	ND	ND	ND	ND	ND	ND	ND	5.7	40
09/09/18 05:30 PM	20692	379	1.17	ND	ND	ND	ND	ND	ND	ND	4.9	131
09/09/18 06:00 PM	20400	375	1.15	ND	ND	ND	ND	ND	ND	ND	4.4	66
09/09/18 06:30 PM	20722	377	1.20	ND	ND	ND	ND	ND	ND	ND	4.9	6
09/09/18 07:00 PM	21266	379	1.19	ND	ND	ND	ND	ND	ND	ND	3.8	117
09/09/18 07:30 PM	21296	380	1.17	ND	ND	ND	ND	ND	ND	ND	4.4	348
09/09/18 08:00 PM	21409	384	1.18	ND	ND	ND	ND	ND	ND	ND	4.6	345
09/09/18 08:30 PM	21556	383	1.17	ND	ND	ND	ND	ND	ND	ND	5.7	296
09/09/18 09:00 PM	21244	383	1.22	ND	ND	ND	0.005	ND	ND	ND	6.7	22
09/09/18 09:30 PM	20637	382	1.20	ND	ND	ND	ND	ND	ND	ND	3.9	46
09/09/18 10:00 PM	20793	387	1.32	ND	ND	ND	ND	ND	ND	ND	3.3	72
09/09/18 10:30 PM	20535	384	1.22	ND	ND	ND	0.005	ND	ND	ND	4.0	97
09/09/18 11:00 PM	20247	361	1.29	ND	ND	ND	ND	ND	ND	ND	4.5	82
09/09/18 11:30 PM	20395	380	1.27	ND	ND	ND	ND	0.000	ND	ND	4.1	73
09/10/18 12:00 AM	20671	383	1.37	ND	ND	ND	ND	0.001	ND	ND	4.0	78

## Daily Processed Summary (Average, Maximum)

Average	21234.11	391.6798	1.27267	BDL	BDL	BDL	0.001787	1.61E-05	BDL	BDL	2.189439	35.08928
Maximum Value	22273.41	426.6282	1.489277	BDL	BDL	BDL	0.023313	0.000549	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/10/18 12:30 AM	20608	387	1.31	ND	ND	ND	ND	0.001	ND	ND	4.0	57
09/10/18 01:00 AM	20703	391	1.34	ND	ND	ND	ND	0.001	ND	ND	4.0	55
09/10/18 01:30 AM	20574	391	1.31	ND	ND	ND	ND	0.001	ND	ND	3.5	43
09/10/18 02:00 AM	20806	398	1.32	ND	ND	ND	0.002	0.001	ND	ND	4.0	15
09/10/18 02:30 AM	20670	398	1.33	ND	ND	ND	ND	0.002	ND	ND	6.6	8
09/10/18 03:00 AM	20439	393	1.47	ND	ND	ND	ND	0.002	ND	ND	7.1	23
09/10/18 03:30 AM	20457	390	1.42	ND	ND	ND	ND	0.002	ND	ND	6.6	32
09/10/18 04:00 AM	20417	381	1.38	ND	ND	ND	ND	0.003	ND	ND	5.0	33
09/10/18 04:30 AM	20720	385	1.42	ND	ND	ND	ND	0.002	ND	ND	5.7	46
09/10/18 05:00 AM	20643	388	1.40	ND	ND	ND	ND	0.001	ND	ND	4.9	48
09/10/18 05:30 AM	20625	390	1.35	ND	ND	ND	ND	0.000	ND	ND	5.2	41
09/10/18 06:00 AM	20652	395	1.36	ND	ND	ND	ND	0.000	ND	ND	5.3	35
09/10/18 06:30 AM	20590	395	1.36	ND	ND	ND	ND	0.001	ND	ND	5.0	26
09/10/18 07:00 AM	20620	399	1.39	ND	ND	ND	ND	0.000	0.002	ND	5.9	13
09/10/18 07:30 AM	20616	398	1.40	ND	ND	ND	ND	0.002	ND	ND	5.0	35
09/10/18 08:00 AM	20527	390	1.40	ND	ND	ND	ND	0.000	ND	ND	5.9	47
09/10/18 08:30 AM	20530	388	1.39	ND	ND	ND	ND	0.003	ND	ND	5.6	51
09/10/18 09:00 AM	20391	377	1.37	ND	ND	ND	ND	ND	ND	ND	5.3	65
09/10/18 09:30 AM	20204	365	1.42	ND	ND	ND	ND	ND	ND	ND	4.8	66
09/10/18 10:00 AM	19218	320	1.46	ND	ND	ND	ND	ND	ND	ND	5.0	94
09/10/18 10:30 AM	17524	244	1.25	ND	ND	ND	ND	ND	ND	ND	4.9	78
09/10/18 11:00 AM	16036	211	1.07	ND	ND	ND	ND	ND	ND	ND	6.9	89
09/10/18 11:30 AM	15579	226	1.03	ND	ND	ND	ND	ND	ND	ND	6.6	71
09/10/18 12:00 PM	16184	253	1.01	ND	ND	ND	ND	ND	ND	ND	5.8	66
09/10/18 12:30 PM	16150	248	0.98	ND	ND	ND	ND	ND	ND	ND	6.3	70
09/10/18 01:00 PM	18394	311	1.15	ND	ND	ND	ND	ND	ND	ND	7.0	66
09/10/18 01:30 PM	19280	358	1.22	ND	ND	ND	ND	0.000	ND	ND	7.5	58
09/10/18 02:00 PM	19687	371	1.25	ND	ND	ND	ND	ND	ND	ND	6.8	55
09/10/18 02:30 PM	20012	372	1.27	ND	ND	ND	ND	0.001	ND	ND	4.8	73
09/10/18 03:00 PM	20126	373	1.26	ND	ND	0.006	0.003	0.000	ND	ND	5.5	78
09/10/18 03:30 PM	20078	366	1.20	ND	ND	ND	ND	0.001	ND	ND	6.8	77
09/10/18 04:00 PM	20029	369	1.20	ND	ND	ND	ND	0.001	ND	0.010	7.2	67
09/10/18 04:30 PM	19433	370	1.29	ND	ND	ND	ND	0.001	0.001	ND	6.8	60
09/10/18 05:00 PM	19855	370	1.39	ND	ND	ND	ND	0.001	ND	ND	6.2	59
09/10/18 05:30 PM	19767	371	1.21	ND	ND	ND	ND	0.001	0.001	ND	8.4	58
09/10/18 06:00 PM	19342	369	1.18	ND	ND	ND	ND	0.001	ND	ND	8.5	49
09/10/18 06:30 PM	19853	368	1.19	0.001	ND	0.005	ND	0.000	ND	ND	6.6	44
09/10/18 07:00 PM	19662	372	1.22	ND	ND	ND	ND	0.001	ND	ND	5.1	44
09/10/18 07:30 PM	19478	373	1.21	ND	ND	ND	ND	0.001	ND	ND	3.6	40
09/10/18 08:00 PM	19911	377	1.25	ND	ND	ND	0.007	0.002	ND	ND	3.0	56
09/10/18 08:30 PM	20029	381	1.37	ND	ND	ND	ND	0.001	ND	ND	3.9	76
09/10/18 09:00 PM	20056	384	1.39	ND	ND	ND	ND	0.000	ND	ND	4.9	83
09/10/18 09:30 PM	20084	384	1.31	ND	ND	ND	ND	0.001	ND	ND	4.4	67
09/10/18 10:00 PM	20222	383	1.30	ND	ND	0.004	ND	0.001	ND	ND	4.2	66
09/10/18 10:30 PM	20341	383	1.29	ND	ND	ND	ND	0.001	ND	ND	4.3	51
09/10/18 11:00 PM	20409	386	1.25	ND	ND	ND	ND	0.000	0.001	ND	3.5	38
09/10/18 11:30 PM	20608	388	1.31	ND	ND	0.003	ND	0.001	ND	ND	3.6	39
09/11/18 12:00 AM	18696	319	1.19	ND	ND	ND	ND	ND	ND	ND	7.8	101

## Daily Processed Summary (Average, Maximum)

Average	19725.74	362.4546	1.289024	2.99E-05	BDL	0.000352	0.000245	0.000761	9.66E-05	0.000218	5.170881	55.18822
Maximum Value	20806.25	398.7017	1.466778	0.001435	BDL	0.006249	0.006627	0.003021	0.001653	0.010459		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/11/18 12:30 AM	18857	360	1.20	ND	ND	ND	ND	ND	ND	ND	5.4	42
09/11/18 01:00 AM	18473	368	1.21	ND	ND	ND	ND	0.001	ND	ND	4.6	48
09/11/18 01:30 AM	18441	371	1.22	ND	ND	ND	ND	0.001	0.002	ND	4.2	32
09/11/18 02:00 AM	18546	377	1.22	ND	ND	ND	ND	0.002	ND	ND	4.1	39
09/11/18 02:30 AM	18885	375	1.21	ND	ND	ND	ND	0.001	ND	ND	4.4	44
09/11/18 03:00 AM	19478	379	1.24	ND	ND	ND	ND	0.001	ND	ND	4.6	46
09/11/18 03:30 AM	19919	383	1.26	ND	ND	ND	ND	0.001	ND	ND	5.4	54
09/11/18 04:00 AM	19888	382	1.28	ND	ND	0.005	ND	0.002	ND	ND	6.1	65
09/11/18 04:30 AM	19691	379	1.27	ND	ND	ND	ND	0.002	ND	ND	8.1	78
09/11/18 05:00 AM	19551	373	1.24	ND	ND	ND	0.003	0.002	ND	ND	7.7	79
09/11/18 05:30 AM	19656	376	1.24	ND	ND	ND	ND	0.002	ND	ND	5.5	68
09/11/18 06:00 AM	19704	378	1.25	ND	ND	0.005	0.003	0.001	ND	ND	4.8	59
09/11/18 06:30 AM	19777	379	1.29	ND	ND	0.005	ND	0.002	ND	ND	4.9	84
09/11/18 07:00 AM	19706	379	1.27	ND	ND	ND	ND	0.002	ND	ND	5.7	97
09/11/18 07:30 AM	20023	376	1.21	ND	ND	ND	ND	0.003	ND	ND	4.7	106
09/11/18 08:00 AM	20246	379	1.27	ND	ND	ND	ND	0.002	ND	ND	3.3	95
09/11/18 08:30 AM	20057	365	1.28	ND	ND	ND	ND	0.001	ND	ND	5.1	90
09/11/18 09:00 AM	19611	340	1.18	ND	ND	ND	ND	ND	ND	ND	6.1	100
09/11/18 09:30 AM	19737	360	1.16	ND	ND	ND	ND	ND	ND	ND	6.2	115
09/11/18 10:00 AM	18952	331	1.10	ND	ND	ND	ND	ND	ND	ND	5.0	121
09/11/18 10:30 AM	19618	366	1.24	ND	ND	ND	ND	ND	ND	ND	4.2	96
09/11/18 11:00 AM	19731	371	1.18	ND	ND	ND	ND	0.000	ND	ND	5.8	116
09/11/18 11:30 AM	19657	372	1.15	ND	ND	ND	ND	0.001	ND	ND	6.8	126
09/11/18 12:00 PM	19703	353	1.15	ND	ND	ND	ND	ND	ND	ND	7.1	101
09/11/18 12:30 PM	20080	367	1.17	ND	ND	ND	ND	0.002	ND	ND	7.7	94
09/11/18 01:00 PM	19581	371	1.13	ND	ND	ND	ND	0.002	ND	ND	7.4	105
09/11/18 01:30 PM	19341	370	1.15	ND	ND	ND	ND	0.001	ND	ND	7.6	106
09/11/18 02:00 PM	19633	365	1.13	ND	ND	ND	ND	0.001	ND	ND	7.2	109
09/11/18 02:30 PM	19856	358	1.14	ND	ND	ND	ND	0.003	ND	ND	7.8	103
09/11/18 03:00 PM	20080	367	1.15	ND	ND	ND	ND	0.001	ND	ND	9.1	105
09/11/18 03:30 PM	20042	369	1.17	ND	ND	ND	ND	0.001	0.001	ND	9.8	99
09/11/18 04:00 PM	19526	369	1.18	ND	ND	ND	ND	0.001	0.001	ND	10.0	92
09/11/18 04:30 PM	19314	369	1.19	ND	ND	0.003	0.003	0.000	ND	ND	8.4	88
09/11/18 05:00 PM	19806	368	1.19	ND	ND	ND	0.009	ND	ND	ND	7.7	81
09/11/18 05:30 PM	20451	370	1.19	0.002	ND	ND	ND	0.000	ND	ND	8.8	84
09/11/18 06:00 PM	20064	367	1.18	ND	ND	ND	ND	0.001	ND	ND	8.9	83
09/11/18 06:30 PM	20477	371	1.20	ND	ND	ND	0.018	0.002	ND	ND	9.5	94
09/11/18 07:00 PM	20461	370	1.17	ND	ND	ND	0.007	0.002	ND	ND	10.4	95
09/11/18 07:30 PM	20361	369	1.16	ND	ND	ND	0.015	0.003	ND	ND	7.8	94
09/11/18 08:00 PM	20824	369	1.20	ND	ND	ND	0.021	0.002	ND	ND	5.6	81
09/11/18 08:30 PM	20883	370	1.15	ND	ND	ND	0.021	0.002	ND	ND	4.5	75
09/11/18 09:00 PM	20882	373	1.16	ND	ND	ND	0.017	0.002	ND	ND	4.2	57
09/11/18 09:30 PM	20891	376	1.17	ND	ND	ND	0.019	0.002	ND	ND	4.1	45
09/11/18 10:00 PM	20763	375	1.16	ND	ND	ND	0.016	0.002	ND	ND	4.6	53
09/11/18 10:30 PM	20576	366	1.17	ND	ND	ND	ND	ND	ND	ND	5.3	79
09/11/18 11:00 PM	19759	323	1.10	ND	ND	ND	ND	ND	ND	ND	6.8	105
09/11/18 11:30 PM	19877	319	1.09	ND	ND	ND	ND	ND	ND	ND	3.7	73
09/12/18 12:00 AM	20354	347	1.11	ND	ND	ND	ND	ND	ND	ND	3.8	55

## Daily Processed Summary (Average, Maximum)

Average	19829	366.8375	1.191176	3.49E-05	BDL	0.000369	0.003169	0.001193	7.61E-05	BDL	5.820791	86.19045
Maximum Value	20890.71	382.501	1.287338	0.001674	BDL	0.005477	0.020736	0.003081	0.0018	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/12/18 12:30 AM	20562	358	1.16	ND	ND	ND	ND	ND	ND	ND	4.4	59
09/12/18 01:00 AM	18591	264	1.15	ND	ND	ND	ND	ND	ND	ND	6.2	79
09/12/18 01:30 AM	20082	323	1.16	ND	ND	ND	ND	ND	ND	ND	6.0	66
09/12/18 02:00 AM	20382	339	1.17	ND	ND	ND	ND	ND	ND	ND	6.1	65
09/12/18 02:30 AM	20489	362	1.20	ND	ND	ND	ND	0.001	ND	ND	5.7	66
09/12/18 03:00 AM	20310	357	1.17	ND	ND	ND	ND	ND	ND	ND	7.4	72
09/12/18 03:30 AM	13808	171	0.77	ND	ND	ND	ND	ND	ND	ND	11.7	92
09/12/18 04:00 AM	15662	202	0.81	ND	ND	ND	ND	ND	ND	ND	7.5	66
09/12/18 04:30 AM	18954	294	1.06	ND	ND	ND	ND	ND	ND	ND	7.0	72
09/12/18 05:00 AM	20349	355	1.20	ND	ND	ND	ND	0.001	ND	ND	7.0	80
09/12/18 05:30 AM	20072	342	1.18	ND	ND	ND	ND	ND	ND	ND	5.2	77
09/12/18 06:00 AM	20389	353	1.18	ND	ND	ND	ND	ND	ND	ND	4.1	114
09/12/18 06:30 AM	20052	357	1.13	ND	ND	ND	ND	0.002	ND	ND	5.1	275
09/12/18 07:00 AM	20048	361	1.15	ND	ND	ND	ND	0.001	ND	ND	2.9	272
09/12/18 07:30 AM	19912	364	1.16	ND	ND	ND	ND	0.002	ND	ND	5.1	171
09/12/18 08:00 AM	18289	364	1.26	ND	ND	ND	ND	ND	ND	ND	2.2	115
09/12/18 08:30 AM	18429	368	1.19	ND	ND	ND	ND	ND	ND	ND	3.1	77
09/12/18 09:00 AM											1.8	47
09/12/18 09:30 AM											2.8	125
09/12/18 10:00 AM	19199	371	1.17	ND	ND	ND	ND	0.001	ND	ND	4.4	72
09/12/18 10:30 AM	19587	354	1.20	ND	ND	ND	ND	ND	ND	ND	5.6	93
09/12/18 11:00 AM	20015	346	1.16	ND	ND	ND	ND	ND	ND	ND	6.6	96
09/12/18 11:30 AM	20675	358	1.22	ND	ND	ND	ND	ND	ND	ND	6.6	87
09/12/18 12:00 PM	21198	368	1.18	ND	ND	ND	ND	0.001	ND	ND	7.1	55
09/12/18 12:30 PM	21058	375	1.17	ND	ND	ND	ND	0.002	ND	ND	9.8	42
09/12/18 01:00 PM	20562	375	1.18	ND	ND	ND	ND	0.003	ND	ND	8.8	62
09/12/18 01:30 PM	20602	374	1.19	ND	ND	ND	ND	0.002	ND	ND	9.0	73
09/12/18 02:00 PM	20426	375	1.19	ND	ND	0.004	ND	0.002	ND	ND	9.8	69
09/12/18 02:30 PM	20520	373	1.19	ND	ND	0.014	0.002	0.001	ND	ND	10.0	85
09/12/18 03:00 PM	20123	374	1.18	0.001	ND	0.023	ND	0.000	ND	ND	9.6	95
09/12/18 03:30 PM	19607	373	1.18	ND	ND	ND	ND	0.001	ND	ND	10.7	96
09/12/18 04:00 PM	19525	372	1.19	ND	ND	0.005	ND	0.000	ND	ND	10.9	87
09/12/18 04:30 PM	20011	371	1.17	ND	ND	ND	ND	0.001	ND	ND	11.0	87
09/12/18 05:00 PM	19933	370	1.14	ND	ND	ND	ND	0.001	0.002	ND	11.1	86
09/12/18 05:30 PM	20026	370	1.13	ND	ND	ND	ND	0.001	0.002	ND	11.4	90
09/12/18 06:00 PM	20235	368	1.16	ND	ND	0.009	ND	0.000	ND	ND	12.0	84
09/12/18 06:30 PM	19802	369	1.17	ND	ND	ND	ND	ND	ND	ND	11.4	80
09/12/18 07:00 PM	20050	369	1.18	ND	ND	ND	ND	ND	ND	ND	10.2	83
09/12/18 07:30 PM	20226	368	1.19	ND	ND	ND	0.002	ND	ND	ND	8.4	82
09/12/18 08:00 PM	20408	371	1.15	0.000	ND	ND	0.002	ND	ND	0.003	7.1	77
09/12/18 08:30 PM	20510	370	1.18	ND	ND	ND	ND	0.000	0.000	ND	7.2	82
09/12/18 09:00 PM	20605	371	1.15	0.000	ND	ND	ND	ND	ND	0.003	7.4	74
09/12/18 09:30 PM	20809	371	1.17	ND	ND	ND	ND	0.001	0.000	ND	6.4	64
09/12/18 10:00 PM	20916	372	1.17	ND	ND	ND	ND	0.001	0.001	ND	7.4	67
09/12/18 10:30 PM	20862	373	1.16	ND	ND	ND	ND	0.001	0.000	ND	8.1	72
09/12/18 11:00 PM	21051	373	1.19	ND	ND	ND	0.003	ND	0.000	0.004	7.8	66
09/12/18 11:30 PM	20614	374	1.19	ND	ND	ND	ND	0.001	0.001	ND	7.5	63
09/13/18 12:00 AM	20126	374	1.18	ND	ND	ND	ND	0.001	ND	ND	7.2	61

## Daily Processed Summary (Average, Maximum)

Average	19905.62	353.4428	1.156677	3.31E-05	BDL	0.001193	0.000178	0.000587	0.000149	0.000238	6.684689	78.24429
Maximum Value	21197.74	375.3447	1.264587	0.000659	BDL	0.02321	0.002797	0.002785	0.002138	0.004386		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/13/18 12:30 AM	20253	374	1.18	ND	ND	0.005	0.001	0.001	ND	ND	7.3	52
09/13/18 01:00 AM	20372	377	1.17	ND	ND	0.005	ND	ND	0.000	ND	6.6	53
09/13/18 01:30 AM	20668	378	1.19	0.001	ND	ND	ND	0.000	ND	ND	5.6	44
09/13/18 02:00 AM	20890	379	1.21	0.003	ND	ND	ND	ND	ND	ND	6.2	52
09/13/18 02:30 AM	21009	377	1.21	ND	ND	ND	ND	0.000	0.002	ND	8.2	51
09/13/18 03:00 AM	18559	310	1.17	ND	ND	ND	ND	0.000	ND	ND	11.2	77
09/13/18 03:30 AM	18299	301	1.23	ND	ND	ND	ND	ND	ND	ND	8.7	83
09/13/18 04:00 AM	18269	284	1.13	ND	ND	ND	ND	ND	ND	ND	10.2	96
09/13/18 04:30 AM	17197	225	1.04	ND	ND	ND	ND	ND	ND	ND	8.9	77
09/13/18 05:00 AM	19460	309	1.10	ND	ND	ND	ND	ND	ND	ND	5.1	48
09/13/18 05:30 AM	19873	335	1.12	ND	ND	ND	ND	ND	ND	ND	5.8	39
09/13/18 06:00 AM	20205	357	1.17	ND	ND	ND	ND	ND	ND	ND	6.2	31
09/13/18 06:30 AM	20409	372	2.09	ND	ND	ND	ND	0.001	ND	ND	7.5	19
09/13/18 07:00 AM	20367	376	1.85	ND	ND	ND	ND	0.001	ND	ND	7.0	19
09/13/18 07:30 AM	20370	377	1.33	ND	ND	ND	ND	0.001	ND	ND	8.4	26
09/13/18 08:00 AM	20659	377	1.35	ND	ND	ND	ND	0.001	ND	ND	10.4	26
09/13/18 08:30 AM	20760	382	1.33	ND	ND	ND	ND	ND	ND	ND	9.8	32
09/13/18 09:00 AM	20908	383	1.37	ND	ND	ND	ND	0.001	ND	ND	10.3	28
09/13/18 09:30 AM	20965	383	1.37	ND	ND	ND	ND	0.003	ND	ND	9.5	31
09/13/18 10:00 AM	21253	383	1.37	ND	ND	ND	ND	0.003	ND	ND	10.0	34
09/13/18 10:30 AM	21200	384	1.34	ND	ND	ND	ND	0.003	ND	ND	11.3	44
09/13/18 11:00 AM	21032	381	1.30	ND	ND	ND	ND	0.003	ND	ND	11.2	48
09/13/18 11:30 AM	20896	378	1.26	ND	ND	ND	ND	0.004	ND	ND	9.4	51
09/13/18 12:00 PM	21027	375	1.24	ND	ND	ND	ND	0.004	ND	ND	8.4	45
09/13/18 12:30 PM	21200	355	1.20	ND	ND	ND	ND	0.005	ND	ND	7.6	54
09/13/18 01:00 PM	21758	362	1.20	ND	ND	ND	ND	ND	ND	ND	8.1	47
09/13/18 01:30 PM	21564	373	1.20	ND	ND	0.009	ND	ND	0.001	ND	11.4	48
09/13/18 02:00 PM	21005	376	1.19	0.001	ND	ND	ND	ND	ND	ND	11.1	50
09/13/18 02:30 PM	21152	374	1.17	ND	ND	ND	ND	0.001	ND	ND	11.8	54
09/13/18 03:00 PM	21291	374	1.15	0.001	ND	0.003	ND	0.000	ND	ND	11.3	53
09/13/18 03:30 PM	21179	374	1.16	ND	ND	0.006	ND	ND	ND	ND	12.2	47
09/13/18 04:00 PM	21201	364	1.19	ND	ND	ND	ND	ND	ND	ND	9.5	86
09/13/18 04:30 PM	20985	368	1.16	ND	ND	ND	ND	0.001	ND	ND	9.7	70
09/13/18 05:00 PM	20892	368	1.15	0.002	ND	ND	0.002	0.001	ND	ND	9.3	67
09/13/18 05:30 PM	21405	370	1.15	0.001	ND	ND	ND	0.002	ND	ND	10.4	62
09/13/18 06:00 PM	21410	372	1.16	0.001	ND	ND	ND	0.001	ND	ND	11.7	62
09/13/18 06:30 PM	21214	372	1.16	0.001	ND	0.004	ND	0.000	ND	ND	10.8	58
09/13/18 07:00 PM	21534	370	1.15	0.001	ND	ND	0.002	0.000	ND	ND	10.5	42
09/13/18 07:30 PM	21209	370	1.15	0.001	ND	ND	0.002	0.000	ND	ND	9.2	45
09/13/18 08:00 PM	21125	369	1.14	ND	ND	ND	ND	0.000	ND	ND	8.5	43
09/13/18 08:30 PM	20979	353	1.15	0.001	ND	ND	ND	0.000	ND	ND	9.5	35
09/13/18 09:00 PM	15778	194	0.78	ND	ND	ND	ND	ND	ND	ND	8.9	53
09/13/18 09:30 PM	18994	348	1.15	ND	ND	ND	ND	ND	ND	ND	8.0	58
09/13/18 10:00 PM	18943	349	1.17	ND	ND	ND	ND	ND	ND	ND	7.2	50
09/13/18 10:30 PM	19747	366	1.21	ND	ND	ND	ND	0.000	ND	ND	7.1	37
09/13/18 11:00 PM	20216	370	1.22	ND	ND	ND	ND	0.001	ND	ND	6.7	46
09/13/18 11:30 PM	20535	371	1.23	ND	ND	ND	ND	0.003	ND	ND	8.6	54
09/14/18 12:00 AM	20773	372	1.22	ND	ND	ND	ND	0.002	ND	ND	7.3	45

## Daily Processed Summary (Average, Maximum)

Average	20437.28	358.1394	1.228022	0.000271	BDL	0.000642	0.000144	0.000922	7.69E-05	BDL	8.587605	50.08398
Maximum Value	21758	384.0381	2.086789	0.002696	BDL	0.008893	0.001841	0.004598	0.002024	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/14/18 12:30 AM	20901	372	1.22	ND	ND	ND	ND	0.000	ND	ND	6.9	35
09/14/18 01:00 AM	20809	360	1.20	ND	ND	ND	ND	0.000	ND	ND	7.5	43
09/14/18 01:30 AM	20670	354	1.19	ND	ND	ND	ND	0.001	ND	ND	7.5	54
09/14/18 02:00 AM	20588	355	1.19	ND	ND	ND	ND	0.002	ND	ND	7.2	70
09/14/18 02:30 AM	19865	356	1.18	ND	ND	ND	ND	0.004	ND	ND	5.8	62
09/14/18 03:00 AM	19495	347	1.16	ND	ND	ND	ND	0.002	ND	ND	6.4	55
09/14/18 03:30 AM	19474	342	1.16	ND	ND	ND	ND	ND	ND	ND	5.8	49
09/14/18 04:00 AM	19507	346	1.16	ND	ND	ND	ND	ND	ND	ND	6.8	46
09/14/18 04:30 AM	19611	355	1.18	ND	ND	ND	ND	ND	ND	ND	6.3	69
09/14/18 05:00 AM	19774	352	1.18	ND	ND	ND	ND	ND	ND	ND	6.2	60
09/14/18 05:30 AM	19263	312	1.15	ND	ND	ND	ND	ND	ND	ND	6.1	57
09/14/18 06:00 AM	18244	270	1.07	ND	ND	ND	ND	ND	ND	ND	7.5	54
09/14/18 06:30 AM	18605	288	1.10	ND	ND	ND	ND	ND	ND	ND	8.2	57
09/14/18 07:00 AM	19100	332	1.16	ND	ND	ND	ND	ND	ND	ND	5.8	68
09/14/18 07:30 AM	19425	357	1.16	ND	ND	ND	ND	ND	ND	ND	6.9	52
09/14/18 08:00 AM	19493	350	1.15	ND	ND	ND	ND	ND	ND	ND	8.7	57
09/14/18 08:30 AM	19947	354	1.16	ND	ND	ND	ND	ND	ND	ND	9.1	60
09/14/18 09:00 AM	20235	361	1.16	ND	ND	ND	ND	ND	ND	ND	10.0	57
09/14/18 09:30 AM	20559	365	1.16	ND	ND	ND	ND	ND	ND	ND	9.6	61
09/14/18 10:00 AM	20796	365	1.15	ND	ND	ND	ND	ND	ND	ND	9.8	61
09/14/18 10:30 AM	20633	348	1.13	ND	ND	ND	ND	ND	ND	ND	10.8	67
09/14/18 11:00 AM	20613	337	1.11	ND	ND	ND	ND	ND	ND	ND	8.3	61
09/14/18 11:30 AM	19549	295	1.06	ND	ND	ND	ND	ND	ND	ND	9.9	61
09/14/18 12:00 PM	20022	306	1.09	ND	ND	ND	ND	ND	ND	ND	9.5	65
09/14/18 12:30 PM	19116	281	1.06	ND	ND	ND	ND	ND	ND	ND	8.4	68
09/14/18 01:00 PM	16160	187	0.92	ND	ND	ND	ND	ND	ND	ND	9.6	97
09/14/18 01:30 PM	16425	222	0.99	ND	ND	ND	ND	ND	ND	ND	9.3	80
09/14/18 02:00 PM	18484	250	1.07	ND	ND	ND	ND	ND	ND	ND	9.4	63
09/14/18 02:30 PM	19078	266	1.02	ND	ND	ND	ND	ND	ND	ND	9.2	58
09/14/18 03:00 PM	18149	222	0.98	ND	ND	ND	ND	ND	ND	ND	9.3	54
09/14/18 03:30 PM	17082	201	0.85	ND	ND	ND	ND	ND	ND	ND	7.8	60
09/14/18 04:00 PM	18071	237	0.94	ND	ND	ND	ND	ND	ND	ND	8.1	43
09/14/18 04:30 PM	20304	296	1.07	ND	ND	ND	ND	ND	ND	ND	8.8	47
09/14/18 05:00 PM	15889	181	0.81	ND	ND	ND	ND	ND	ND	ND	7.9	40
09/14/18 05:30 PM	16424	172	0.69	ND	ND	ND	ND	ND	ND	ND	8.8	36
09/14/18 06:00 PM	15468	178	0.90	ND	ND	ND	ND	ND	ND	ND	11.2	73
09/14/18 06:30 PM	19056	316	1.09	ND	ND	ND	ND	ND	ND	ND	8.7	66
09/14/18 07:00 PM	15628	211	0.80	ND	ND	ND	ND	ND	ND	ND	7.2	69
09/14/18 07:30 PM	18208	256	1.03	ND	ND	ND	ND	ND	ND	ND	6.0	58
09/14/18 08:00 PM	19828	326	1.10	ND	ND	ND	ND	ND	ND	ND	3.8	43
09/14/18 08:30 PM	20803	358	1.17	ND	ND	ND	ND	ND	ND	ND	5.6	47
09/14/18 09:00 PM	20786	361	1.22	ND	ND	ND	ND	ND	ND	ND	7.4	68
09/14/18 09:30 PM	20615	351	1.17	ND	ND	ND	ND	ND	ND	ND	8.0	60
09/14/18 10:00 PM	20695	362	1.19	ND	ND	ND	ND	ND	ND	ND	8.9	54
09/14/18 10:30 PM	20782	367	1.19	ND	ND	ND	ND	ND	ND	ND	9.9	56
09/14/18 11:00 PM	20859	371	1.19	ND	ND	ND	ND	ND	ND	ND	11.0	58
09/14/18 11:30 PM	21253	373	1.19	ND	ND	ND	ND	0.001	ND	ND	12.2	66
09/15/18 12:00 AM	21543	374	1.21	ND	ND	ND	0.003	ND	ND	ND	10.8	75

## Daily Processed Summary (Average, Maximum)

Average	19330.93	310.3498	1.093461	BDL	BDL	BDL	5.73E-05	0.000202	BDL	BDL	8.053505	59.61596
Maximum Value	21542.6	374.5	1.219923	BDL	BDL	BDL	0.00275	0.003625	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/15/18 12:30 AM	21782	372	1.19	ND	ND	ND	ND	ND	ND	ND	9.5	75
09/15/18 01:00 AM	20762	309	1.13	ND	ND	ND	ND	ND	ND	ND	8.0	73
09/15/18 01:30 AM	20007	253	1.00	ND	ND	ND	ND	ND	ND	ND	6.6	82
09/15/18 02:00 AM	21326	311	1.10	ND	ND	ND	ND	ND	ND	ND	5.1	64
09/15/18 02:30 AM	22122	350	1.14	ND	ND	ND	ND	ND	ND	ND	5.8	59
09/15/18 03:00 AM	22547	358	1.16	ND	ND	ND	ND	ND	ND	ND	6.2	74
09/15/18 03:30 AM	22712	362	1.19	ND	ND	ND	ND	ND	ND	ND	8.7	79
09/15/18 04:00 AM	22379	367	1.23	ND	ND	ND	ND	ND	ND	ND	10.4	97
09/15/18 04:30 AM	13665	145	0.70	ND	ND	ND	ND	ND	ND	ND	14.7	129
09/15/18 05:00 AM	13859	186	1.07	ND	ND	ND	ND	ND	ND	ND	12.9	136
09/15/18 05:30 AM											7.7	120
09/15/18 06:00 AM											3.7	86
09/15/18 06:30 AM											7.8	81
09/15/18 07:00 AM											10.9	96
09/15/18 07:30 AM											10.6	127
09/15/18 08:00 AM											10.1	139
09/15/18 08:30 AM											10.0	162
09/15/18 09:00 AM											5.9	131
09/15/18 09:30 AM											5.2	109
09/15/18 10:00 AM	22989	376	1.14	ND	ND	ND	ND	ND	ND	ND	7.6	123
09/15/18 10:30 AM											9.0	114
09/15/18 11:00 AM											10.3	106
09/15/18 11:30 AM											9.6	96
09/15/18 12:00 PM											9.2	82
09/15/18 12:30 PM											11.7	95
09/15/18 01:00 PM											9.7	96
09/15/18 01:30 PM											8.1	98
09/15/18 02:00 PM	21504	346	1.10	ND	ND	ND	ND	ND	ND	ND	10.2	111
09/15/18 02:30 PM	21385	357	1.11	ND	ND	ND	ND	ND	ND	ND	10.6	117
09/15/18 03:00 PM											11.9	123
09/15/18 03:30 PM											11.8	117
09/15/18 04:00 PM											12.5	115
09/15/18 04:30 PM											13.4	122
09/15/18 05:00 PM											13.4	119
09/15/18 05:30 PM											10.1	127
09/15/18 06:00 PM											9.2	127
09/15/18 06:30 PM											8.2	113
09/15/18 07:00 PM											7.8	119
09/15/18 07:30 PM											6.4	114
09/15/18 08:00 PM											6.0	109
09/15/18 08:30 PM											4.1	83
09/15/18 09:00 PM											4.8	81
09/15/18 09:30 PM											4.9	66
09/15/18 10:00 PM											4.5	61
09/15/18 10:30 PM											4.6	65
09/15/18 11:00 PM											4.6	62
09/15/18 11:30 PM											4.0	64
09/16/18 12:00 AM											4.0	64

## Daily Processed Summary (Average, Maximum)

Average	20541.48	314.7866	1.096014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.685324	105.8381
Maximum Value	22988.6	376.2393	1.229416	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/16/18 12:30 AM											5.0	52
09/16/18 01:00 AM											4.4	77
09/16/18 01:30 AM											3.9	73
09/16/18 02:00 AM											4.5	67
09/16/18 02:30 AM											5.5	63
09/16/18 03:00 AM											4.5	79
09/16/18 03:30 AM											3.9	77
09/16/18 04:00 AM											2.4	112
09/16/18 04:30 AM											3.2	94
09/16/18 05:00 AM											8.1	177
09/16/18 05:30 AM											7.0	235
09/16/18 06:00 AM											2.2	268
09/16/18 06:30 AM											1.0	213
09/16/18 07:00 AM											1.4	107
09/16/18 07:30 AM											1.7	71
09/16/18 08:00 AM											2.9	70
09/16/18 08:30 AM											3.8	53
09/16/18 09:00 AM											4.1	44
09/16/18 09:30 AM											2.8	284
09/16/18 10:00 AM											3.6	239
09/16/18 10:30 AM											4.4	42
09/16/18 11:00 AM											4.8	53
09/16/18 11:30 AM											5.4	62
09/16/18 12:00 PM											5.5	69
09/16/18 12:30 PM											5.9	109
09/16/18 01:00 PM											7.5	106
09/16/18 01:30 PM											8.4	123
09/16/18 02:00 PM											10.3	152
09/16/18 02:30 PM											10.2	145
09/16/18 03:00 PM											10.7	160
09/16/18 03:30 PM											11.7	184
09/16/18 04:00 PM											8.9	200
09/16/18 04:30 PM											6.4	219
09/16/18 05:00 PM											6.5	230
09/16/18 05:30 PM											4.6	230
09/16/18 06:00 PM											3.5	288
09/16/18 06:30 PM											1.7	310
09/16/18 07:00 PM											1.6	225
09/16/18 07:30 PM											1.8	66
09/16/18 08:00 PM											2.9	90
09/16/18 08:30 PM											2.6	105
09/16/18 09:00 PM											3.1	123
09/16/18 09:30 PM											3.9	111
09/16/18 10:00 PM											1.5	110
09/16/18 10:30 PM											1.2	202
09/16/18 11:00 PM											2.6	142
09/16/18 11:30 PM											2.8	173
09/17/18 12:00 AM											2.9	151

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

2.143491 129.8125

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/17/18 12:30 AM											2.1	115
09/17/18 01:00 AM											2.5	44
09/17/18 01:30 AM											2.1	87
09/17/18 02:00 AM											2.0	105
09/17/18 02:30 AM											2.9	219
09/17/18 03:00 AM											3.1	196
09/17/18 03:30 AM											4.3	225
09/17/18 04:00 AM											4.3	225
09/17/18 04:30 AM											2.3	275
09/17/18 05:00 AM											3.3	73
09/17/18 05:30 AM											4.3	25
09/17/18 06:00 AM											1.5	29
09/17/18 06:30 AM											2.2	62
09/17/18 07:00 AM											2.7	40
09/17/18 07:30 AM											3.0	37
09/17/18 08:00 AM											2.8	45
09/17/18 08:30 AM											3.1	34
09/17/18 09:00 AM											3.2	27
09/17/18 09:30 AM											3.0	35
09/17/18 10:00 AM											3.7	36
09/17/18 10:30 AM											3.3	81
09/17/18 11:00 AM											1.6	194
09/17/18 11:30 AM											3.1	247
09/17/18 12:00 PM											4.2	293
09/17/18 12:30 PM											3.1	268
09/17/18 01:00 PM											3.2	246
09/17/18 01:30 PM											4.0	271
09/17/18 02:00 PM											3.7	233
09/17/18 02:30 PM											3.9	224
09/17/18 03:00 PM											5.1	200
09/17/18 03:30 PM											4.1	213
09/17/18 04:00 PM											3.9	189
09/17/18 04:30 PM											3.3	101
09/17/18 05:00 PM											3.7	121
09/17/18 05:30 PM											4.7	124
09/17/18 06:00 PM											5.4	147
09/17/18 06:30 PM											6.1	174
09/17/18 07:00 PM											4.8	182
09/17/18 07:30 PM											4.2	182
09/17/18 08:00 PM											4.6	175
09/17/18 08:30 PM											2.5	149
09/17/18 09:00 PM											4.7	174
09/17/18 09:30 PM											5.4	189
09/17/18 10:00 PM											6.2	190
09/17/18 10:30 PM											5.0	194
09/17/18 11:00 PM											5.2	197
09/17/18 11:30 PM											5.0	192
09/18/18 12:00 AM											4.4	190

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

1.498836 178.4781

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/18/18 12:30 AM											4.8	192
09/18/18 01:00 AM											3.8	191
09/18/18 01:30 AM											3.6	175
09/18/18 02:00 AM											3.8	192
09/18/18 02:30 AM											3.8	183
09/18/18 03:00 AM											3.8	185
09/18/18 03:30 AM											3.4	230
09/18/18 04:00 AM											1.9	228
09/18/18 04:30 AM											1.8	163
09/18/18 05:00 AM											0.9	106
09/18/18 05:30 AM											1.6	302
09/18/18 06:00 AM											2.4	71
09/18/18 06:30 AM											1.2	185
09/18/18 07:00 AM											1.7	24
09/18/18 07:30 AM											1.1	104
09/18/18 08:00 AM											1.8	17
09/18/18 08:30 AM											2.0	21
09/18/18 09:00 AM											0.7	49
09/18/18 09:30 AM											0.7	179
09/18/18 10:00 AM											2.4	175
09/18/18 10:30 AM											2.7	252
09/18/18 11:00 AM											3.0	249
09/18/18 11:30 AM											4.6	279
09/18/18 12:00 PM											4.3	279
09/18/18 12:30 PM											5.7	283
09/18/18 01:00 PM											3.8	286
09/18/18 01:30 PM											1.7	219
09/18/18 02:00 PM											3.7	175
09/18/18 02:30 PM											2.8	310
09/18/18 03:00 PM											2.6	255
09/18/18 03:30 PM											4.2	110
09/18/18 04:00 PM											4.8	188
09/18/18 04:30 PM											5.7	203
09/18/18 05:00 PM											5.9	210
09/18/18 05:30 PM											5.9	200
09/18/18 06:00 PM											6.3	189
09/18/18 06:30 PM											5.6	180
09/18/18 07:00 PM											4.5	181
09/18/18 07:30 PM											5.3	180
09/18/18 08:00 PM											6.2	185
09/18/18 08:30 PM											6.4	182
09/18/18 09:00 PM											6.7	188
09/18/18 09:30 PM											4.7	184
09/18/18 10:00 PM											5.1	187
09/18/18 10:30 PM											4.9	185
09/18/18 11:00 PM											4.8	188
09/18/18 11:30 PM											4.4	184
09/19/18 12:00 AM											5.2	189

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

2.63057 198.0307

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/19/18 12:30 AM											5.4	188
09/19/18 01:00 AM											5.1	185
09/19/18 01:30 AM											5.2	183
09/19/18 02:00 AM											5.5	187
09/19/18 02:30 AM											5.3	191
09/19/18 03:00 AM											4.6	192
09/19/18 03:30 AM											4.7	191
09/19/18 04:00 AM											4.8	193
09/19/18 04:30 AM											4.1	190
09/19/18 05:00 AM											4.3	190
09/19/18 05:30 AM											3.2	186
09/19/18 06:00 AM											1.6	206
09/19/18 06:30 AM											0.7	89
09/19/18 07:00 AM											1.2	107
09/19/18 07:30 AM											1.3	93
09/19/18 08:00 AM											3.4	53
09/19/18 08:30 AM											3.1	41
09/19/18 09:00 AM											2.5	67
09/19/18 09:30 AM											2.7	69
09/19/18 10:00 AM											3.2	244
09/19/18 10:30 AM											3.3	259
09/19/18 11:00 AM											3.7	227
09/19/18 11:30 AM											5.9	182
09/19/18 12:00 PM											6.5	167
09/19/18 12:30 PM											6.4	163
09/19/18 01:00 PM											6.6	159
09/19/18 01:30 PM											6.8	131
09/19/18 02:00 PM											6.9	170
09/19/18 02:30 PM											8.3	162
09/19/18 03:00 PM											8.3	156
09/19/18 03:30 PM											8.2	164
09/19/18 04:00 PM											9.0	160
09/19/18 04:30 PM											8.6	127
09/19/18 05:00 PM											8.8	136
09/19/18 05:30 PM											9.3	131
09/19/18 06:00 PM											10.0	125
09/19/18 06:30 PM											10.0	128
09/19/18 07:00 PM											8.8	133
09/19/18 07:30 PM											7.7	121
09/19/18 08:00 PM											6.7	122
09/19/18 08:30 PM											7.4	126
09/19/18 09:00 PM											6.6	123
09/19/18 09:30 PM											7.3	124
09/19/18 10:00 PM											7.2	124
09/19/18 10:30 PM											7.4	127
09/19/18 11:00 PM											7.1	125
09/19/18 11:30 PM											7.8	126
09/20/18 12:00 AM											7.7	124

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

4.791602 148.1471

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/20/18 12:30 AM											8.2	132
09/20/18 01:00 AM											10.3	142
09/20/18 01:30 AM											10.6	135
09/20/18 02:00 AM											8.6	144
09/20/18 02:30 AM											8.4	156
09/20/18 03:00 AM											7.1	160
09/20/18 03:30 AM											6.8	168
09/20/18 04:00 AM											7.9	176
09/20/18 04:30 AM											6.5	151
09/20/18 05:00 AM											5.7	144
09/20/18 05:30 AM											5.2	109
09/20/18 06:00 AM											4.4	135
09/20/18 06:30 AM											6.9	125
09/20/18 07:00 AM											6.2	135
09/20/18 07:30 AM											5.9	160
09/20/18 08:00 AM											5.6	158
09/20/18 08:30 AM											6.6	177
09/20/18 09:00 AM											7.5	173
09/20/18 09:30 AM											7.5	175
09/20/18 10:00 AM											8.4	173
09/20/18 10:30 AM											7.0	160
09/20/18 11:00 AM											7.6	164
09/20/18 11:30 AM											8.6	164
09/20/18 12:00 PM											11.0	143
09/20/18 12:30 PM											10.4	160
09/20/18 01:00 PM											10.3	155
09/20/18 01:30 PM											12.2	155
09/20/18 02:00 PM											12.2	149
09/20/18 02:30 PM											12.8	138
09/20/18 03:00 PM											13.9	141
09/20/18 03:30 PM											15.4	146
09/20/18 04:00 PM											13.4	140
09/20/18 04:30 PM											13.1	134
09/20/18 05:00 PM											12.2	139
09/20/18 05:30 PM											15.0	139
09/20/18 06:00 PM											12.1	141
09/20/18 06:30 PM											11.8	141
09/20/18 07:00 PM											10.3	149
09/20/18 07:30 PM											10.0	132
09/20/18 08:00 PM											6.9	117
09/20/18 08:30 PM											7.9	120
09/20/18 09:00 PM											10.4	128
09/20/18 09:30 PM											10.1	129
09/20/18 10:00 PM											9.7	129
09/20/18 10:30 PM											12.9	141
09/20/18 11:00 PM											11.5	137
09/20/18 11:30 PM											12.7	140
09/21/18 12:00 AM											14.3	139

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

9.281927 144.7949

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/21/18 12:30 AM											15.3	139
09/21/18 01:00 AM											15.6	138
09/21/18 01:30 AM											14.8	140
09/21/18 02:00 AM											15.4	142
09/21/18 02:30 AM											16.2	142
09/21/18 03:00 AM											12.6	149
09/21/18 03:30 AM											11.0	161
09/21/18 04:00 AM											10.9	155
09/21/18 04:30 AM											9.5	150
09/21/18 05:00 AM											9.7	167
09/21/18 05:30 AM											9.8	170
09/21/18 06:00 AM											11.9	155
09/21/18 06:30 AM											10.7	150
09/21/18 07:00 AM											11.6	159
09/21/18 07:30 AM											9.1	168
09/21/18 08:00 AM											8.5	156
09/21/18 08:30 AM											9.0	151
09/21/18 09:00 AM											11.4	144
09/21/18 09:30 AM											11.9	141
09/21/18 10:00 AM											12.6	146
09/21/18 10:30 AM											12.7	142
09/21/18 11:00 AM											11.2	154
09/21/18 11:30 AM											10.5	153
09/21/18 12:00 PM											10.5	141
09/21/18 12:30 PM											10.1	148
09/21/18 01:00 PM											10.3	148
09/21/18 01:30 PM											10.0	152
09/21/18 02:00 PM											11.4	150
09/21/18 02:30 PM											12.1	159
09/21/18 03:00 PM											12.5	145
09/21/18 03:30 PM											12.6	140
09/21/18 04:00 PM											11.9	139
09/21/18 04:30 PM											12.0	133
09/21/18 05:00 PM											12.2	140
09/21/18 05:30 PM											12.1	153
09/21/18 06:00 PM											11.4	153
09/21/18 06:30 PM											10.1	151
09/21/18 07:00 PM											8.9	133
09/21/18 07:30 PM											7.7	137
09/21/18 08:00 PM											7.3	132
09/21/18 08:30 PM											8.4	125
09/21/18 09:00 PM											8.9	123
09/21/18 09:30 PM											9.8	127
09/21/18 10:00 PM											9.3	130
09/21/18 10:30 PM											10.6	148
09/21/18 11:00 PM											9.8	153
09/21/18 11:30 PM											10.5	171
09/22/18 12:00 AM											10.8	176

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

10.8913 147.2908

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/22/18 12:30 AM											10.7	172
09/22/18 01:00 AM											10.7	171
09/22/18 01:30 AM											11.1	172
09/22/18 02:00 AM											10.5	174
09/22/18 02:30 AM											8.6	176
09/22/18 03:00 AM											8.2	177
09/22/18 03:30 AM											6.5	184
09/22/18 04:00 AM											6.6	179
09/22/18 04:30 AM											7.5	182
09/22/18 05:00 AM											6.6	185
09/22/18 05:30 AM											7.6	184
09/22/18 06:00 AM											7.6	186
09/22/18 06:30 AM											7.5	192
09/22/18 07:00 AM											9.0	214
09/22/18 07:30 AM											8.6	223
09/22/18 08:00 AM											6.8	224
09/22/18 08:30 AM											12.1	217
09/22/18 09:00 AM											6.4	196
09/22/18 09:30 AM											5.1	188
09/22/18 10:00 AM											5.1	184
09/22/18 10:30 AM											6.7	177
09/22/18 11:00 AM											8.5	170
09/22/18 11:30 AM											8.3	194
09/22/18 12:00 PM											10.0	222
09/22/18 12:30 PM											8.5	253
09/22/18 01:00 PM											6.4	239
09/22/18 01:30 PM											5.1	232
09/22/18 02:00 PM											4.2	217
09/22/18 02:30 PM											4.6	193
09/22/18 03:00 PM											6.8	197
09/22/18 03:30 PM											4.3	259
09/22/18 04:00 PM											4.9	188
09/22/18 04:30 PM											7.1	185
09/22/18 05:00 PM											8.3	198
09/22/18 05:30 PM											9.9	279
09/22/18 06:00 PM											8.0	299
09/22/18 06:30 PM											6.0	303
09/22/18 07:00 PM											6.6	314
09/22/18 07:30 PM											7.9	304
09/22/18 08:00 PM											6.7	304
09/22/18 08:30 PM											7.5	300
09/22/18 09:00 PM											8.7	298
09/22/18 09:30 PM											7.6	301
09/22/18 10:00 PM											7.1	297
09/22/18 10:30 PM											7.4	297
09/22/18 11:00 PM											7.1	299
09/22/18 11:30 PM											9.4	306
09/23/18 12:00 AM											11.9	322

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

4.793679 222.2252

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/23/18 12:30 AM											9.6	323
09/23/18 01:00 AM											10.2	321
09/23/18 01:30 AM											8.5	323
09/23/18 02:00 AM											8.7	330
09/23/18 02:30 AM											8.4	323
09/23/18 03:00 AM											7.9	325
09/23/18 03:30 AM											7.0	317
09/23/18 04:00 AM											6.7	304
09/23/18 04:30 AM											7.3	311
09/23/18 05:00 AM											5.5	304
09/23/18 05:30 AM											4.3	307
09/23/18 06:00 AM											4.8	303
09/23/18 06:30 AM											4.5	293
09/23/18 07:00 AM											3.9	281
09/23/18 07:30 AM											3.3	283
09/23/18 08:00 AM											3.5	293
09/23/18 08:30 AM											3.5	292
09/23/18 09:00 AM											2.6	279
09/23/18 09:30 AM											5.0	304
09/23/18 10:00 AM											5.6	304
09/23/18 10:30 AM											5.6	304
09/23/18 11:00 AM											5.9	303
09/23/18 11:30 AM											7.1	268
09/23/18 12:00 PM											7.4	258
09/23/18 12:30 PM											6.9	252
09/23/18 01:00 PM											6.1	240
09/23/18 01:30 PM											7.1	244
09/23/18 02:00 PM											7.0	240
09/23/18 02:30 PM											6.7	236
09/23/18 03:00 PM											5.6	254
09/23/18 03:30 PM											5.6	245
09/23/18 04:00 PM											6.2	279
09/23/18 04:30 PM											8.4	278
09/23/18 05:00 PM											9.8	294
09/23/18 05:30 PM											9.0	306
09/23/18 06:00 PM											8.0	310
09/23/18 06:30 PM											8.1	308
09/23/18 07:00 PM											6.5	308
09/23/18 07:30 PM											4.2	316
09/23/18 08:00 PM											2.8	224
09/23/18 08:30 PM											2.0	16
09/23/18 09:00 PM											1.0	93
09/23/18 09:30 PM											2.3	140
09/23/18 10:00 PM											2.9	16
09/23/18 10:30 PM											2.9	30
09/23/18 11:00 PM											2.4	39
09/23/18 11:30 PM											2.2	39
09/24/18 12:00 AM											2.5	113

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

4.535236 296.3208

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/24/18 12:30 AM											3.5	79
09/24/18 01:00 AM											1.8	91
09/24/18 01:30 AM											1.8	68
09/24/18 02:00 AM											2.8	85
09/24/18 02:30 AM											3.7	94
09/24/18 03:00 AM											2.5	87
09/24/18 03:30 AM											3.0	87
09/24/18 04:00 AM											1.8	84
09/24/18 04:30 AM											2.8	92
09/24/18 05:00 AM											2.5	77
09/24/18 05:30 AM											2.1	68
09/24/18 06:00 AM											1.5	42
09/24/18 06:30 AM											1.8	75
09/24/18 07:00 AM											1.8	48
09/24/18 07:30 AM											2.5	40
09/24/18 08:00 AM											2.6	42
09/24/18 08:30 AM											2.3	89
09/24/18 09:00 AM											3.2	92
09/24/18 09:30 AM											3.3	81
09/24/18 10:00 AM											3.0	95
09/24/18 10:30 AM											3.0	173
09/24/18 11:00 AM											4.3	164
09/24/18 11:30 AM											4.2	182
09/24/18 12:00 PM											6.4	181
09/24/18 12:30 PM											10.0	147
09/24/18 01:00 PM											7.9	154
09/24/18 01:30 PM											9.4	170
09/24/18 02:00 PM											11.3	149
09/24/18 02:30 PM											10.9	160
09/24/18 03:00 PM											11.1	152
09/24/18 03:30 PM											11.1	149
09/24/18 04:00 PM											11.1	154
09/24/18 04:30 PM											10.6	154
09/24/18 05:00 PM											11.8	155
09/24/18 05:30 PM											10.9	157
09/24/18 06:00 PM											12.3	146
09/24/18 06:30 PM											10.6	140
09/24/18 07:00 PM											11.7	137
09/24/18 07:30 PM											11.4	143
09/24/18 08:00 PM	19048	327	1.31	ND	ND	ND	ND	ND	ND	ND	9.1	150
09/24/18 08:30 PM	19181	329	1.26	ND	ND	ND	ND	ND	ND	ND	8.7	146
09/24/18 09:00 PM											10.0	136
09/24/18 09:30 PM											9.7	134
09/24/18 10:00 PM											11.4	138
09/24/18 10:30 PM											12.5	139
09/24/18 11:00 PM											13.6	141
09/24/18 11:30 PM											11.6	139
09/25/18 12:00 AM											14.1	159

## Daily Processed Summary (Average, Maximum)

Average	19114.83	328.2067	1.283857	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.133571	140.5609
Maximum Value	19181.48	329.1307	1.311086	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/25/18 12:30 AM											11.4	152
09/25/18 01:00 AM											10.2	163
09/25/18 01:30 AM											10.1	167
09/25/18 02:00 AM											9.4	177
09/25/18 02:30 AM											8.5	178
09/25/18 03:00 AM											8.3	177
09/25/18 03:30 AM	22156	333	1.04	ND	ND	ND	ND	0.001	ND	ND	7.1	178
09/25/18 04:00 AM	22333	333	1.05	ND	ND	ND	ND	ND	ND	ND	8.2	172
09/25/18 04:30 AM	22458	333	1.04	ND	ND	ND	ND	ND	ND	ND	6.0	177
09/25/18 05:00 AM											13.4	174
09/25/18 05:30 AM	19019	333	1.18	ND	ND	ND	ND	ND	ND	ND	6.5	128
09/25/18 06:00 AM	19125	334	1.25	ND	ND	ND	ND	ND	ND	ND	5.0	95
09/25/18 06:30 AM	19103	334	1.18	ND	ND	ND	ND	ND	ND	ND	7.0	118
09/25/18 07:00 AM	18913	338	1.12	ND	ND	ND	ND	ND	ND	ND	7.3	165
09/25/18 07:30 AM	19906	334	1.08	ND	ND	ND	ND	ND	ND	ND	8.9	171
09/25/18 08:00 AM	20116	322	1.05	ND	ND	ND	ND	ND	ND	ND	5.8	181
09/25/18 08:30 AM	21389	328	1.07	ND	ND	ND	ND	ND	ND	ND	6.2	182
09/25/18 09:00 AM	20588	335	1.11	ND	ND	ND	ND	ND	ND	ND	5.4	137
09/25/18 09:30 AM	21020	336	1.13	ND	ND	ND	ND	ND	ND	ND	2.5	144
09/25/18 10:00 AM	22886	337	1.07	ND	ND	ND	ND	ND	ND	ND	4.2	179
09/25/18 10:30 AM	21743	334	1.04	ND	ND	ND	ND	ND	ND	ND	7.2	184
09/25/18 11:00 AM	20931	336	1.07	ND	ND	ND	ND	ND	ND	ND	3.1	156
09/25/18 11:30 AM	21643	325	1.03	ND	ND	ND	ND	ND	ND	ND	4.6	156
09/25/18 12:00 PM												
09/25/18 12:30 PM												
09/25/18 01:00 PM												
09/25/18 01:30 PM												
09/25/18 02:00 PM												
09/25/18 02:30 PM												
09/25/18 03:00 PM												
09/25/18 03:30 PM												
09/25/18 04:00 PM												
09/25/18 04:30 PM												
09/25/18 05:00 PM												
09/25/18 05:30 PM												
09/25/18 06:00 PM												
09/25/18 06:30 PM												
09/25/18 07:00 PM												
09/25/18 07:30 PM												
09/25/18 08:00 PM												
09/25/18 08:30 PM												
09/25/18 09:00 PM											10.6	144
09/25/18 09:30 PM											12.8	138
09/25/18 10:00 PM											13.3	137
09/25/18 10:30 PM											12.6	146
09/25/18 11:00 PM											11.4	155
09/25/18 11:30 PM											12.9	159
09/26/18 12:00 AM											14.2	158

## Daily Processed Summary (Average, Maximum)

Average	20833.02	332.9017	1.095081	BDL	BDL	BDL	BDL	3.57E-05	BDL	BDL
Maximum Value	22886.4	338.4058	1.247106	BDL	BDL	BDL	BDL	0.000571	BDL	BDL

BDL = Below Detection Limit

Blank = Not Available



# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/26/18 12:30 AM											12.0	165
09/26/18 01:00 AM											9.7	164
09/26/18 01:30 AM											9.7	166
09/26/18 02:00 AM											9.4	176
09/26/18 02:30 AM											8.0	180
09/26/18 03:00 AM											6.7	186
09/26/18 03:30 AM											7.3	183
09/26/18 04:00 AM											7.8	180
09/26/18 04:30 AM											7.9	181
09/26/18 05:00 AM											6.7	177
09/26/18 05:30 AM											5.5	181
09/26/18 06:00 AM											5.6	184
09/26/18 06:30 AM											4.7	180
09/26/18 07:00 AM											4.2	187
09/26/18 07:30 AM											5.4	215
09/26/18 08:00 AM											4.1	217
09/26/18 08:30 AM											3.4	230
09/26/18 09:00 AM											5.6	284
09/26/18 09:30 AM											5.1	251
09/26/18 10:00 AM											4.9	201
09/26/18 10:30 AM											5.4	206
09/26/18 11:00 AM											5.0	198
09/26/18 11:30 AM											5.6	210
09/26/18 12:00 PM											5.2	195
09/26/18 12:30 PM											7.6	186
09/26/18 01:00 PM											6.2	159
09/26/18 01:30 PM											6.6	175
09/26/18 02:00 PM											7.1	174
09/26/18 02:30 PM											6.8	187
09/26/18 03:00 PM											11.1	169
09/26/18 03:30 PM											5.8	131
09/26/18 04:00 PM											3.4	49
09/26/18 04:30 PM											3.7	64
09/26/18 05:00 PM											4.9	74
09/26/18 05:30 PM											6.7	108
09/26/18 06:00 PM											7.0	97
09/26/18 06:30 PM											7.3	108
09/26/18 07:00 PM											5.7	59
09/26/18 07:30 PM											4.3	33
09/26/18 08:00 PM											7.6	26
09/26/18 08:30 PM											11.4	43
09/26/18 09:00 PM											9.7	28
09/26/18 09:30 PM											8.3	285
09/26/18 10:00 PM											6.5	235
09/26/18 10:30 PM											4.2	65
09/26/18 11:00 PM											4.6	81
09/26/18 11:30 PM											4.4	41
09/27/18 12:00 AM											3.3	173

## Daily Processed Summary (Average, Maximum)

Average
Maximum Value

3.331161 165.8477

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/27/18 12:30 AM											5.6	30
09/27/18 01:00 AM											4.3	48
09/27/18 01:30 AM											5.3	23
09/27/18 02:00 AM											6.5	24
09/27/18 02:30 AM											4.0	35
09/27/18 03:00 AM											4.2	180
09/27/18 03:30 AM											5.3	11
09/27/18 04:00 AM											7.3	183
09/27/18 04:30 AM											10.5	124
09/27/18 05:00 AM											10.5	353
09/27/18 05:30 AM											11.2	354
09/27/18 06:00 AM											11.3	353
09/27/18 06:30 AM											10.3	353
09/27/18 07:00 AM											9.6	353
09/27/18 07:30 AM											7.3	356
09/27/18 08:00 AM											9.0	356
09/27/18 08:30 AM											10.3	297
09/27/18 09:00 AM											10.7	179
09/27/18 09:30 AM											11.7	298
09/27/18 10:00 AM											10.7	181
09/27/18 10:30 AM											12.4	4
09/27/18 11:00 AM											11.1	10
09/27/18 11:30 AM											10.5	124
09/27/18 12:00 PM											9.8	351
09/27/18 12:30 PM											11.8	350
09/27/18 01:00 PM											13.5	119
09/27/18 01:30 PM											10.5	67
09/27/18 02:00 PM											8.1	239
09/27/18 02:30 PM											6.1	114
09/27/18 03:00 PM											8.4	172
09/27/18 03:30 PM											10.6	176
09/27/18 04:00 PM											9.2	343
09/27/18 04:30 PM											9.2	237
09/27/18 05:00 PM	203	0	-0.05	ND	ND	ND	ND	ND	ND	ND	8.9	299
09/27/18 05:30 PM	4686	87	0.48	ND	ND	ND	ND	ND	ND	ND	7.7	239
09/27/18 06:00 PM	18048	345	2.06	ND	ND	ND	ND	ND	ND	ND	7.1	22
09/27/18 06:30 PM	18088	343	1.99	ND	ND	ND	ND	ND	ND	ND	5.6	18
09/27/18 07:00 PM	18145	342	2.10	ND	ND	ND	ND	ND	ND	ND	5.0	72
09/27/18 07:30 PM	18718	342	2.08	ND	ND	ND	ND	ND	ND	ND	3.2	7
09/27/18 08:00 PM	19156	345	2.96	ND	ND	ND	ND	ND	ND	ND	2.0	36
09/27/18 08:30 PM	18963	348	2.69	ND	ND	ND	ND	ND	ND	ND	2.8	16
09/27/18 09:00 PM	18931	348	3.82	ND	ND	ND	ND	ND	ND	ND	2.5	43
09/27/18 09:30 PM	19146	353	4.00	ND	ND	0.015	0.002	ND	ND	ND	2.6	14
09/27/18 10:00 PM	19028	356	4.19	ND	ND	0.014	ND	ND	ND	ND	2.5	33
09/27/18 10:30 PM	19026	356	2.51	ND	ND	0.017	ND	ND	ND	ND	2.7	43
09/27/18 11:00 PM	18900	354	2.23	ND	ND	0.013	ND	ND	0.006	ND	3.5	35
09/27/18 11:30 PM	18836	359	4.06	ND	ND	0.018	ND	ND	0.008	ND	3.9	22
09/28/18 12:00 AM	18905	365	2.83	ND	ND	0.022	ND	ND	0.007	ND	3.3	30

## Daily Processed Summary (Average, Maximum)

Average	16585.24	309.5428	2.530366	BDL	BDL	0.006628	0.000117	BDL	0.00146	BDL	2.561122	10.65891
Maximum Value	19156.28	365.1114	4.185446	BDL	BDL	0.021889	0.001752	BDL	0.008124	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCl_AVE (ppm)	VCl_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/28/18 12:30 AM	18826	369	3.75	ND	ND	0.028	ND	ND	0.006	ND	3.7	12
09/28/18 01:00 AM	18760	371	3.49	ND	ND	0.029	ND	ND	0.005	ND	4.0	30
09/28/18 01:30 AM	18702	370	2.55	ND	ND	0.030	ND	ND	ND	ND	3.1	29
09/28/18 02:00 AM	18647	368	2.50	ND	ND	0.026	ND	ND	ND	ND	3.9	30
09/28/18 02:30 AM	18538	367	2.82	ND	ND	0.026	ND	ND	0.002	ND	4.1	23
09/28/18 03:00 AM	18415	366	3.50	ND	ND	0.025	ND	ND	ND	ND	4.0	19
09/28/18 03:30 AM	18421	366	3.83	ND	ND	0.024	ND	ND	ND	ND	3.9	13
09/28/18 04:00 AM	18440	367	2.75	ND	ND	0.025	ND	ND	0.002	ND	4.4	13
09/28/18 04:30 AM	18477	366	2.80	ND	ND	0.025	ND	ND	0.007	ND	4.1	16
09/28/18 05:00 AM	18480	368	5.23	ND	ND	0.025	ND	ND	0.008	ND	4.7	18
09/28/18 05:30 AM	18553	367	3.68	ND	ND	0.025	ND	ND	0.008	ND	4.9	17
09/28/18 06:00 AM	18579	366	4.07	ND	ND	0.025	ND	ND	0.008	ND	5.0	21
09/28/18 06:30 AM	18704	364	2.55	ND	ND	0.022	ND	ND	0.008	ND	4.7	44
09/28/18 07:00 AM	18791	363	2.33	ND	ND	0.022	ND	ND	0.007	ND	4.3	34
09/28/18 07:30 AM	18899	364	2.49	ND	ND	0.024	ND	ND	0.007	ND	4.2	39
09/28/18 08:00 AM	18865	363	2.32	ND	ND	0.024	ND	ND	0.007	ND	4.7	51
09/28/18 08:30 AM	19316	361	2.28	ND	ND	0.016	ND	ND	0.005	ND	5.8	48
09/28/18 09:00 AM	19594	358	2.24	ND	ND	0.014	ND	ND	0.002	ND	5.8	52
09/28/18 09:30 AM	19874	357	2.24	ND	ND	ND	ND	ND	ND	ND	4.5	43
09/28/18 10:00 AM	20199	355	2.20	ND	ND	ND	ND	ND	ND	ND	6.0	45
09/28/18 10:30 AM	20516	352	2.18	ND	ND	ND	ND	ND	ND	ND	6.9	50
09/28/18 11:00 AM	22631	396	2.34	ND	ND	0.002	ND	0.001	ND	ND	6.6	35
09/28/18 11:30 AM	22715	395	2.36	ND	ND	0.002	ND	ND	ND	ND	6.5	33
09/28/18 12:00 PM	22830	393	2.34	ND	ND	ND	ND	ND	ND	ND	5.4	36
09/28/18 12:30 PM	23029	391	2.31	ND	ND	ND	ND	ND	ND	ND	6.0	38
09/28/18 01:00 PM	19969	376	2.21	ND	ND	ND	ND	ND	ND	ND	6.3	60
09/28/18 01:30 PM											6.1	70
09/28/18 02:00 PM											6.0	80
09/28/18 02:30 PM											8.0	94
09/28/18 03:00 PM											8.6	101
09/28/18 03:30 PM											7.8	106
09/28/18 04:00 PM											7.4	109
09/28/18 04:30 PM											8.3	113
09/28/18 05:00 PM											7.5	114
09/28/18 05:30 PM											6.6	100
09/28/18 06:00 PM											5.6	79
09/28/18 06:30 PM											7.6	87
09/28/18 07:00 PM											8.5	102
09/28/18 07:30 PM											7.3	96
09/28/18 08:00 PM											5.1	79
09/28/18 08:30 PM											4.6	85
09/28/18 09:00 PM											5.4	88
09/28/18 09:30 PM											9.0	107
09/28/18 10:00 PM											6.5	94
09/28/18 10:30 PM											5.2	71
09/28/18 11:00 PM											5.1	87
09/28/18 11:30 PM											4.9	86
09/29/18 12:00 AM											5.4	86

## Daily Processed Summary (Average, Maximum)

Average	19568.05	369.2515	2.822152	BDL	BDL	0.016848	BDL	2.2E-05	0.003095	BDL	4.809767	66.77187
Maximum Value	23029.21	396.1721	5.233677	BDL	BDL	0.029746	BDL	0.000572	0.008493	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/29/18 12:30 AM											4.6	80
09/29/18 01:00 AM											5.0	69
09/29/18 01:30 AM											4.0	42
09/29/18 02:00 AM											5.3	28
09/29/18 02:30 AM											4.7	38
09/29/18 03:00 AM											4.9	42
09/29/18 03:30 AM											5.5	40
09/29/18 04:00 AM											4.5	51
09/29/18 04:30 AM											5.0	353
09/29/18 05:00 AM											5.1	219
09/29/18 05:30 AM											9.6	174
09/29/18 06:00 AM											8.8	205
09/29/18 06:30 AM											2.8	177
09/29/18 07:00 AM											6.0	178
09/29/18 07:30 AM											3.9	126
09/29/18 08:00 AM											2.2	91
09/29/18 08:30 AM											2.5	131
09/29/18 09:00 AM											2.4	155
09/29/18 09:30 AM											2.3	130
09/29/18 10:00 AM											5.3	25
09/29/18 10:30 AM											5.6	49
09/29/18 11:00 AM											7.4	56
09/29/18 11:30 AM											5.7	77
09/29/18 12:00 PM											6.0	89
09/29/18 12:30 PM											8.4	99
09/29/18 01:00 PM											11.2	100
09/29/18 01:30 PM											11.0	101
09/29/18 02:00 PM											10.7	90
09/29/18 02:30 PM											11.1	77
09/29/18 03:00 PM											12.6	78
09/29/18 03:30 PM											12.6	90
09/29/18 04:00 PM											11.1	102
09/29/18 04:30 PM											11.2	97
09/29/18 05:00 PM											10.6	93
09/29/18 05:30 PM											9.9	92
09/29/18 06:00 PM											8.0	93
09/29/18 06:30 PM											5.5	93
09/29/18 07:00 PM	22814	384	2.07	ND	ND	ND	ND	ND	ND	ND	5.0	107
09/29/18 07:30 PM	23078	385	2.23	ND	ND	ND	ND	ND	ND	ND	4.1	93
09/29/18 08:00 PM	23299	387	2.35	ND	ND	ND	ND	ND	ND	ND	3.3	76
09/29/18 08:30 PM	23410	391	2.16	ND	ND	ND	ND	ND	ND	ND	4.4	43
09/29/18 09:00 PM	23403	391	2.16	ND	ND	ND	ND	ND	ND	ND	5.2	44
09/29/18 09:30 PM	23365	388	2.12	ND	ND	ND	ND	ND	ND	ND	6.1	45
09/29/18 10:00 PM	23113	388	2.12	ND	ND	ND	ND	ND	ND	ND	6.0	46
09/29/18 10:30 PM	22945	387	2.12	ND	ND	ND	ND	ND	ND	ND	6.1	55
09/29/18 11:00 PM	22825	388	2.14	ND	ND	ND	ND	ND	ND	ND	5.1	41
09/29/18 11:30 PM	22626	387	2.17	ND	ND	ND	ND	ND	ND	ND	5.8	41
09/30/18 12:00 AM	22484	389	2.92	ND	ND	ND	ND	ND	ND	ND	6.0	17

## Daily Processed Summary (Average, Maximum)

Average	23033.01	387.7643	2.233262	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.822308	82.16663
Maximum Value	23410	390.9985	2.924464	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

BDL = Below Detection Limit

Blank = Not Available

# Open Path FTIR 30-Minute Averages

Site: Formosa North AAMS

timestamp	H2O (ppm)	CO2 (ppm)	CH4 (ppm)	BUT_AVE (ppm)	C2H4_AVE (ppm)	DCA_AVE (ppm)	ETO_AVE (ppm)	HCI_AVE (ppm)	VCI_AVE (ppm)	C6H6_AVE (ppm)	WSPD (mph)	WDIR (deg)
09/30/18 12:30 AM	22439	390	2.70	ND	ND	ND	ND	ND	ND	ND	6.1	29
09/30/18 01:00 AM	22440	390	2.25	ND	ND	ND	ND	ND	ND	ND	5.7	39
09/30/18 01:30 AM	22461	391	2.29	ND	ND	ND	ND	ND	ND	ND	4.7	41
09/30/18 02:00 AM	22445	391	2.33	ND	ND	ND	ND	ND	ND	ND	5.4	52
09/30/18 02:30 AM	22474	392	2.35	ND	ND	ND	ND	ND	ND	ND	5.8	73
09/30/18 03:00 AM	22554	394	2.40	ND	ND	ND	ND	ND	ND	ND	5.6	79
09/30/18 03:30 AM	22630	394	2.43	ND	ND	ND	ND	ND	ND	ND	3.9	65
09/30/18 04:00 AM	22683	396	2.41	ND	ND	ND	ND	ND	ND	ND	2.9	45
09/30/18 04:30 AM	22739	398	2.40	ND	ND	ND	ND	ND	ND	ND	2.8	35
09/30/18 05:00 AM	22722	400	3.58	ND	ND	ND	ND	ND	ND	ND	4.0	22
09/30/18 05:30 AM	22676	401	2.63	ND	ND	ND	ND	ND	ND	ND	3.9	31
09/30/18 06:00 AM	22638	401	2.49	ND	ND	ND	ND	ND	ND	ND	4.6	41
09/30/18 06:30 AM	22619	399	2.47	ND	ND	ND	ND	ND	ND	ND	4.7	36
09/30/18 07:00 AM	22673	393	2.47	ND	ND	ND	ND	ND	ND	ND	6.6	30
09/30/18 07:30 AM	22903	389	2.39	ND	ND	ND	ND	ND	ND	ND	6.8	31
09/30/18 08:00 AM	22863	396	2.37	ND	ND	ND	ND	ND	ND	ND	6.1	40
09/30/18 08:30 AM	22669	397	2.41	ND	ND	ND	ND	ND	ND	ND	5.5	42
09/30/18 09:00 AM	22596	396	2.40	ND	ND	ND	ND	ND	ND	ND	5.9	53
09/30/18 09:30 AM	22904	393	2.39	ND	ND	ND	ND	ND	ND	ND	6.0	44
09/30/18 10:00 AM	23501	391	2.41	ND	ND	ND	ND	ND	ND	ND	5.6	51
09/30/18 10:30 AM	23875	389	2.37	ND	ND	ND	ND	ND	ND	ND	5.4	36
09/30/18 11:00 AM	24368	385	2.32	ND	ND	ND	ND	ND	ND	ND	6.3	44
09/30/18 11:30 AM	24802	383	2.28	ND	ND	ND	ND	ND	ND	ND	7.1	48
09/30/18 12:00 PM	24939	380	2.22	ND	ND	ND	ND	ND	ND	ND	7.1	71
09/30/18 12:30 PM	24750	381	2.24	ND	ND	ND	ND	ND	ND	ND	7.6	81
09/30/18 01:00 PM	24656	380	2.26	ND	ND	ND	ND	ND	ND	ND	7.0	104
09/30/18 01:30 PM	21629	378	2.04	ND	ND	ND	ND	ND	ND	ND	10.2	187
09/30/18 02:00 PM	22254	377	2.03	ND	ND	ND	ND	ND	ND	ND	8.4	199
09/30/18 02:30 PM	22246	376	2.03	ND	ND	ND	ND	ND	ND	ND	6.6	204
09/30/18 03:00 PM	22002	372	2.02	ND	ND	ND	ND	ND	ND	ND	5.0	220
09/30/18 03:30 PM	22350	376	2.03	ND	ND	ND	ND	ND	ND	ND	2.4	203
09/30/18 04:00 PM	22353	377	2.09	ND	ND	ND	ND	ND	ND	ND	2.6	71
09/30/18 04:30 PM	22295	371	2.30	ND	ND	ND	ND	ND	ND	ND	4.4	50
09/30/18 05:00 PM	21859	342	2.09	ND	ND	ND	ND	ND	ND	ND	7.1	91
09/30/18 05:30 PM	21447	342	2.02	ND	ND	ND	ND	0.001	ND	ND	5.6	94
09/30/18 06:00 PM	21638	363	2.07	ND	ND	ND	ND	0.004	ND	ND	3.6	78
09/30/18 06:30 PM	21693	369	2.09	ND	ND	ND	ND	0.004	ND	ND	3.8	88
09/30/18 07:00 PM	21141	373	2.07	ND	ND	ND	ND	0.005	ND	ND	3.5	58
09/30/18 07:30 PM	20816	376	2.09	ND	ND	ND	ND	0.005	0.006	ND	3.0	59
09/30/18 08:00 PM	20375	380	2.28	ND	ND	ND	ND	0.004	ND	ND	3.2	20
09/30/18 08:30 PM	20587	382	2.99	ND	ND	ND	ND	0.005	ND	ND	2.2	66
09/30/18 09:00 PM	20627	383	2.18	ND	ND	ND	ND	0.004	0.002	ND	2.5	46
09/30/18 09:30 PM	20694	384	2.18	ND	ND	ND	ND	0.004	0.008	ND	2.5	52
09/30/18 10:00 PM	20591	386	2.19	ND	ND	ND	ND	0.004	0.011	ND	2.5	44
09/30/18 10:30 PM	20448	386	2.29	ND	ND	ND	ND	0.004	0.014	ND	2.9	68
09/30/18 11:00 PM	20378	388	2.22	ND	ND	ND	ND	0.004	0.015	ND	3.4	49
09/30/18 11:30 PM	20134	389	2.20	ND	ND	ND	ND	0.004	0.014	ND	3.0	60
10/01/18 12:00 AM	20525	390	2.17	ND	ND	ND	ND	0.004	0.009	ND	4.2	54

## Daily Processed Summary (Average, Maximum)

Average	22272.91	384.3363	2.310101	BDL	BDL	BDL	BDL	0.001143	0.001642	BDL	3.432338	60.69366
Maximum Value	24938.89	400.8877	3.579585	BDL	BDL	BDL	BDL	0.005052	0.014681	BDL		

BDL = Below Detection Limit

Blank = Not Available